

BAA/v
9.25

13.50



LOG BOOK.

VOYAGES OF THE

COMMANDER BY



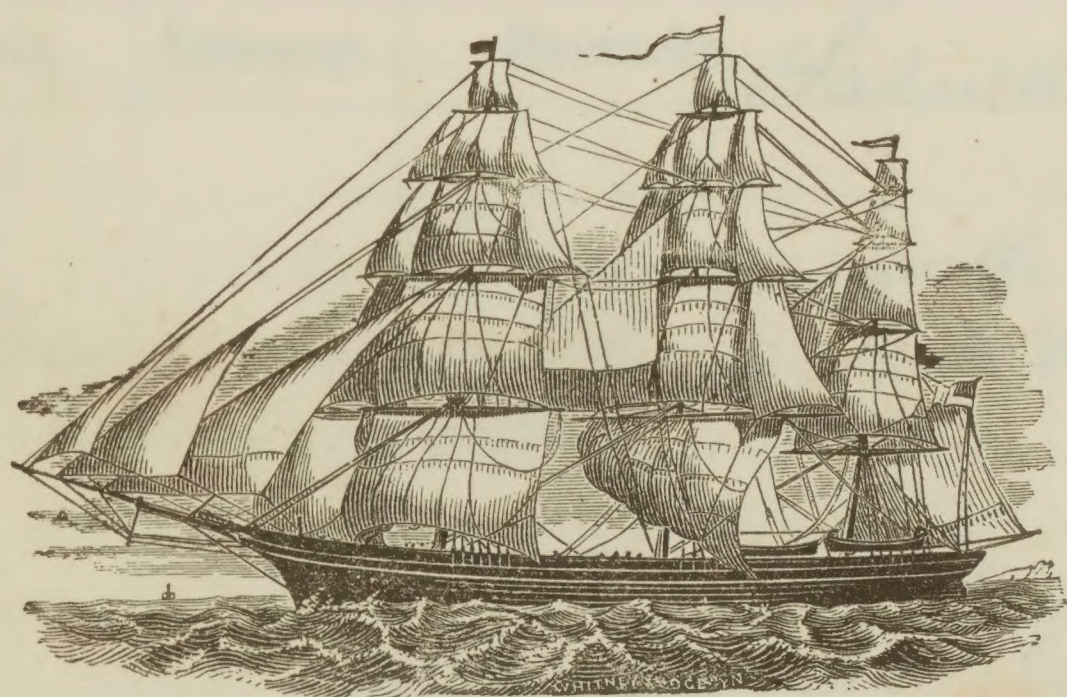
LOG BOOK.

VOYAGES OF THE

Brig A J Ross.

COMMANDED BY

Capt Benj Lothrop



Suppression of Urine in Horses

Powdered Bicarbonate of Potass 2 ounces
Fluid Extract of Buchu 2 do
Fluid Extract of Belladonna 1 do
Water one Pint
Mix and give one ounce twice a Day

From *Boston*

towards *St. Juan. P.R.*
Remarks, day of 18

18

[illegible][illegible]

From

Boston

towards

St Juan P R

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Sunday day of May 21 1821
1						
2						
3						Commences with light breeze
4						and fine clear weather
5						all sail set
6						
7						
8						
9						
10						
11	3		SE by E	SE by S		
12	3					
1	3					
2	3					
3	3					
4	3					
5	3					
6	3					
7	4					
8	4					
9	4		SE by S	SE W		
10	4					
11	4					
12	4					

Nov 16 / 91 Received \$10,000 from Dollars of Mr Taber

at 10^{pm} lost light of Highland light bearing by compass N W distant 22 miles from which I take my departure
Middle part overcast

End light breeze and dark gloomy looking weather all sail set by the wind
No Obs today

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				41. 10 N		12° W		69. 02 W	

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Monday day of May 22 18
1	4		SE by E	SE by W		
2	4					
3	4					
4	4					
5	4					
6	5		SE by W	South		
7	5					
8	4					
9	5					
10	5					
11	5					
12	5					
1	5		SE	SE W		
2	5					
3	5					
4	5					
5	5					
6	5					
7	4					
8	4					
9	4					
10	4					
11	5					
12	5					

Commences light breeze and cloudy weather all sail by the wind on Starboard tack
at 5:30^{pm} tacked ship to SE by W

at 10 fresh breeze and thick took in light sails
at 12 tacked to SE

at 9^{am} set outerjib gafftopsail and M I Mast staysail

End fresh breeze and Downcast
by poor Obs found her in Lat 40. 23 N Lon 67. 43 W

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				40. 10				68. 31	4

From

Boston

towards

St. Juan. P.R.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Tuesday day of May 23 1876
1	3		SE $\frac{3}{4}$ S	SSW		
2	3					Comences with fresh breezes
3	3					and sky Overcast
4	3		1142	1142		at 6 pm took in light sails
5	3		60			
6	4		26520	688-20		
7	4			SW by S		
8	4					
9	4			66		
10	3					Middle part squally
11	3					took in flying jib and
12	3					top gallant sail
1	3					
2	3					
3	4		5280	68520/1		at 3 am weather looking better
4	4			5280		set T & S. and flying jib
5	4			15720		
6	4					
7	4					Ends fresh breezes and hazy
8	4					weather
9	4					
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
		78	71	88° 03'	89° 03' N	120° W	93.	66° 35'	66° 35' W

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Wednesday day of May 24 1876
1	4		SE by S	SW by W		
2	4					Comences with fresh breezes
3	4					and hazy weather
4	4					
5	3					
6	3					
7	4					at 8 pm heavy rain squall
8	4		SE	SW		with wind shifting to the
9	3					ward took in everything
10	3					by topsails and foresail
11	3		South	North		
12	3					
1	3					
2	3					at 4 am moderating set
3	3					top gallant sail at 6 am
4	3					set fore royal and middle
5	3					stay sails
6	3					
7	3					
8	3					End fresh breezes and cloudy
9	3					No Obs. today
10	3					
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
5	106	93	50	88° 30'		10° W	10° 04'	64° 31' W	

From

Boston

towards

St. John's P.R.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	Thursday	day of	May 23-	18
1	5		$S\frac{1}{2}E$	$N\frac{1}{2}W$		Comes in with fresh breeze and cloudy weather				
2	5									
3	5									
4	5									
5	6					all drawing sail set				
6	6			NNW						
7	7									
8	7									
9	7					Middle part the same				
10	6									
11	6									
12	6									
1	6					Ends gentle breezes and fine clear weather				
2	6									
3	6									
4	6									
5	6			$N\frac{1}{2}W$		Pumps Attended Making no water				
6	6									
7	6									
8	5									
9	5									
10	4									
11	4									
12	3									

Distance Course.	Course Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
140	$N\frac{1}{2}E$	124	37	$33^{\circ}26'N$	$33^{\circ}19'N$	$10^{\circ}W$	47	$63^{\circ}58'W$	$63^{\circ}40'$

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	Friday	day of	May 26th	18
1	4		$S\frac{1}{2}E$	$N\frac{1}{2}W$		Commence with gentle breeze and fine clear weather				
2	4									
3	4									
4	3									
5	2					all drawing sail set				
6	2									
7	2									
8	2									
9	2					Middle part light wind and fine				
10	2									
11	2									
12	2									
1	2					Ends the same				
2	2									
3	2									
4	2									
5	2					find some current to the westward				
6	2									
7	2									
8	2									
9	2					Pumps Attended				
10	2									
11	2									
12	2									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
		60	11	$34^{\circ}19'$	$34^{\circ}19'N$	$80^{\circ}W$	146	$63^{\circ}26'$	$63^{\circ}45'$

From

Boston

towards

St. John's P.R.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.
1	2		$S\frac{1}{2}E$	North	
2	2				
3	2				
4	2				
5	1		SW	SE	
6	1				
7	2				
8	2				
9	1				
10	1				
11	2				
12	2				
1	3		SW		
2	3				
3	3				
4	3				
5	3				
6	4				
7	4				
8	4				
9	3				
10	3				
11	3				
12	3				

Remarks,

Saturday day of May 27th 1876

Commence with light air
and fine clear weather
all sail set.

Middle part light wind
from ~~Eastward~~ and cloudy

End gentle breeze and
overcast.
at 12 noon tacked ship
to East and took
in royal and outer jib

So ends

8 days out.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
		49	82	33.30	33.38N 80W		39	64.24	64.20W

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.
1	3		East	SE by NE	
2	3				
3	3				
4	3				
5	3				
6	4				
7	4				
8	4				
9	4				
10	4				
11	4				
12	5				
1	5				
2	4				
3	4				
4	4				
5	4				
6	4				
7	3				
8	3				
9	3				
10	3				
11	3				
12	3				

Remarks,

Sunday day of May 28th 1876

Commences with gentle
breeze and SE overcast.

Middle part clear

End light breeze and
fine one brig in sight.
standing SE

Pump Attended
making very little water

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 85° E	85	8	84	33.41N	33.45	80W	93	62.47	62.48W

From

Boston

towards

St. John's P.R.

Remarks,

Monday day of May 29 18

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.
1	3		SE	SW	
2	3				
3	3				
4	3				
5	4				
6	4				
7	3				
8	3				
9	4				
10	3				
11	4				
12	3				
1	4				
2	3				
3	4				
4	3				
5	4				
6	3				
7	4				
8	3				
9	4				
10	3				
11	4				
12	3				

Comences with light breezes
and fine clear weather
all sail by the wind

Middle part the same

at 9 am spoke the English
brig Clyde for London
began employed in scrubbing
ship

Ends fine and clear

Pumps Attended

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					33.12 N			61.00 W	

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	May 30 th 18
1	2		SE by S	South		Comences fine and clear all sail set		
2	3							
3	3							
4	3							
5	3					at 5 pm tacked to SW by W		
6	3		SW by W					
7	3							
8	3					Middle part rainy took in all light sails		
9	3							
10	3							
11	3							
12	3							
1	3							
2	3					at 4 am set top gallant sail		
3	3							
4	3		SE by S					
5	3							
6	3							
7	3					Ends fresh breezes and hazy cloudy weather		
8	3							
9	3							
10	3							
11	3							
12	3							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					32.47			60.09 W	

From

Boston

towards

St. John's P.R.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.
1	3		E by E	South	
2	4				
3	3				
4	4				
5	3		W by W		
6	4				
7	3				
8	4				
9	4		W by W		
10	4				
11	4				
12	4				
1	4				
2	4				
3	4				
4	4				
5	4				
6	4				
7	4				
8	4				
9	4				
10	4				
11	4				
12	4				

Remarks,

Wed

day of

May 31st 1876

Commence with cloudy weather
and fresh breezes from South

at 5^{pm} Tacked ship to W by W

Middle part frequent rains
squalls

at 2^{am} took topgallant sail
and flying jib

at 5^{am} fresh gale and
rainy with heavy sea making
from the Southward

took in Middle staysail
at 11^{am} gale increasing
took in rupper topsail and jib
and reefed the mainsail

Ends fresh gale and rainy
Pumps carefully attended

2^{ms}
No Ob.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				32.02 ^N		80 ^N		60.52 ^N	

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	Thursday	day of	June 1st 1876
1	2		E by E	South	8 ^{pm}	Commence with heavy gales from the South and heavy sea			
2	2					at 12.30 ^{am} gale increasing fast			
3	2					took in foresail and closed reefed the Main staysail and Mainsail			
4	2					and wore ship to E by E			
5	2					shipping much water and			
6	2					rolling and straining badly			
7	2					at 4 ^{pm} furlled the lower topsail			
8	2					maindeck being constantly			
9	2					flooded with water			
10	2					Middle part heavy gale			
11	2					and rainy			
12	2								
1	2					Ends heavy gale and very			
2	2					high sea ship rolling			
3	2					sails under			
4	2					Pumps carefully attended			
5	2								
6	2								
7	2								
8	2								
9	2								
10	2								
11	2								
12	2								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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NE 48 miles 40 40 32.42 32.80^N/N 77 47 60.05^N/N 77

From

Boston

towards

St. John's P. M.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Friday day of June 2 ^d 18
1	1	3-	ESE	South	4/10	Comences with strong gale and rainy Have it on starboard tack
2	1	3-				
3	1	3-				
4	1	3-				
5	1	3-				
6	1	3-				
7	1	3-				
8	1	3-				
9	1	3-				
10	2					at 10 pm gale moderating set lower topsail and fore sail
11	2					
12	2					
1	2					at 8 am set jib upper topsail and one reef out of Main
2	2					
3	2					
4	2					End fresh gales from SSe and Bouldy weather Pumps Attended
5	2					
6	3		SW 1/2 N		1/10	
7	3					
8	3					
9	4					
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					32. 44 N			60. 10 W	

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Saturday day of June 3 rd 18
1	3		SW	SE	1/10	Comences with fresh gales and cloudy
2	3					
3	3					
4	3					at 2 pm carried away one shroud of Main rigging got on & prevented
5	3					
6	3					
7	3					Middle part rainy
8	3					
9	3					
10	3					at 11 am shook out all reefs weather clearing a little
11	3					
12	3					
1	3					Ends fresh breezes and passing rain clouds
2	3					
3	3					
4	3					Pumps Attended
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				32. 10	32. 07 N			61. 25	61. 15 W

From

Boston

towards

St. John's P.R.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	1876
1	3		SW $\frac{3}{4}$ W	South			Sunday	June 4th
2	3							
3	3					Commences fresh breeze and		
4	3					raining		
5	3							
6	3							
7	3					at 4 P.M. set topgallant sail		
8	3					and flying jib at 12 M made		
9	3					all sail		
10	3							
11	3					Moderate and fine		
12	3							
1	3							
2	3					at 7 A.M. tacked ship to S by E		
3	3							
4	3							
5	3							
6	3							
7	3					Ends fine and Moderate		
8	3							
9	3							
10	3							
11	3							
12	3							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SW	78	20.9	30.9	31.17 N	31.17 N	90 W	3.9	62.14	62.17 W

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	1876
1	2		E S E	South			Monday	June 5th
2	2					Commence with Moderate		
3	2					and fine weather		
4	2							
5	2					at 2 P.M. saw a schooner		
6	2					on starboard tack		
7	2							
8	2							
9	2							
10	2					at 11 P.M. tacked ship to		
11	2					SW		
12	3		SW	SE		all sail set		
1	3							
2	3							
3	3							
4	3							
5	3					End fresh breeze and		
6	3					passing clouds		
7	3							
8	4					Crew employed in various duties		
9	4					Pumps attended		
10	4							
11	4							
12	4							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	88	2	2	30.33	30.38 N	100 W	4	62.21	62.38

From

Boston

towards

St. John's, P. M.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Tuesday day of June 6 th 18
1	4		M by S	S by S		Commence with gentle breeze and fine clear weather all sail by the wind
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	5					
10	5					
11	5					
12	5					
1	5		S	S		Middle part the same
2	5					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					
1	4		S	S		End gentle breezes and fine Crew painting main deck Pumps Attended
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
		97	40	28.56	28.58N		46	68.18	68.33

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Wednesday day of June 7 th 18
1	3		E by S	S by E		Commence with gentle breezes and fine clear weather all sail set by the wind
2	3					
3	3					
4	3					
5	3					
6	3					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					
1	4		S W by S	S		At 3 p.m. saw a Barque standing to the NW
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					
1	4		E by S	S by E		End fine and clear Pumps Attended Nothing but head winds hard luck
2	4					
3	4					
4	4					
5	4					
6	3					
7	3					
8	4					
9	4					
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				28.26	28.24		22	68.10	68.38N

From

Boston

towards

St. John's P.R.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Thursday day of June 8 th 1876
1	3		Sby S	Sby E		Comes in with light winds from the South and fine weather all sail set
2	3					
3	3					
4	3					
5	3					
6	3					
7	3		S W 1/2 E			Middle part the same
8	3					
9	3					
10	3					
11	3					
12	3					
1	3		S S E	South		End with light rain squalls
2	3					
3	3					
4	3					
5	3					
6	3					
7	3		S S E	South		
8	3					
9	3					
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
		37	1	27.48	27.54	40 W	1 1/2 W	63.39	63.46 W

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Friday day of June 9 th 1876
1	2		S W			Throughout these 24 hours light air and calm all sail set.
2	2					
3	1					
4	1					
5	0					
6	0					
7	0		South East			
8	0					
9	0					
10	1					
11	1					
12	1					
1	1		South East			
2	1					
3	2					
4	2					
5	2					
6	2					
7	2		South East			
8	2					
9	2					
10	2					
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				27.54				63.47	

From

Boston

towards

St. John's, P.R.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Saturday day of June 10 th 18
1	4		South	E S E		Comences with light breezes and fine weather at 3 P.M. squally took in royal and outer jib
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					
1	4		S $\frac{1}{2}$ E	East		Middle part rainy and squally commencing the trade Ends fresh breeze and rainy and squally No Obs. today Pumps Attended
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
		94	0	26.00 N	No Obs.	0	0	63.47	

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Sunday day of June 11 th 18
1	6		S $\frac{1}{2}$ E	East		Comences with fresh trade winds and frequent rain squalls Middle part the same Forenoon weather more fine set all light sails Ends fine and clear
2	6					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	7					
10	7					
11	7					
12	7					
1	6		S $\frac{1}{2}$ E	East		Forenoon weather more fine set all light sails Ends fine and clear
2	6					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	7					
10	7					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 80 W	130	130	0	23.30	23.30 N	20 W	0	63.47	64.17 N

From

Boston

towards

St. Juan P.R.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Monday day of June 12 1876
1	♣		S ½ E	E S E	1/4 pt.	Commences with fresh trade and fine
2	♣					
3	♣					
4	♣					
5	♣					
6	♣					
7	♣					
8	♣					
9	♣					
10	♣					
11	♣					
12	♣					
1	♣					Ends. the same
2	♣					
3	♣					
4	♣					
5	♣					
6	♣					
7	♣					
8	♣					
9	♣					
10	♣					
11	♣					
12	♣					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					21. 80				64. 80

H	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Tuesday day of June 13 th 1876
1	♣		S by W	E S E		Throughout these 24 hours gentle trade winds and fine clear weather
2	♣					
3	♣					
4	♣					
5	♣					
6	♣					
7	♣					
8	♣					
9	♣					
10	♣					
11	♣	♣				
12	♣	♣				
1	♣	♣				
2	♣	♣				
3	♣	♣				
4	♣	♣				
5	♣	♣				
6	♣	♣				
7	♣					
8	♣					
9	♣					
10	♣					
11	♣					
12	♣					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					19. 38 N				65. 08 N

From

Boston

towards

S. Juan P.R.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Wednesday day of June 14th 18
1	6		S by N $\frac{1}{2}$ W	E S E		Commences with fresh trade winds and fine weather all sail set
2	6					
3	6					
4	6					
5	6					
6	6					
7	6		S W			At 2 ^{Am} sighted land on Starboard bow at 3 ^{Am} made it out East End of Porto Rico at 8 ^{Am} made S. Juan at 12.30 ^{Am} took a pilot and came in at 12.30 anchored with 15 fathoms chain on port anchor furlled the sails and discharged one lighter of ice Ends fine with strong trade winds Ends with 36 hours to commence harbor logg
8	6					
9	6					
10	6					
11	6					
12	6					
1	6		S by S			
2	6					
3	6					
4	6					
5	6					
6	6					
7	6		E by N			
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

Harbour log

laying in
towards

St. Johns. P.R.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2			Thursday	June	15	Fresh trades wind and squally		
3						hailed into the wharf and		
4						rigged in jibboom Holiday		
5						ashore		
6								
7			Friday	"	16 th	Commences fine with fresh trade		
8						winds Crew employed discharging		
9						cargo as per Cargo book		
10						Ends fine and clear		
11								
12			Saturday	"	17 th	Weather fine and clear		
1						Wind P.S.E. Crew employed		
2						in Discharging cargo as		
3						per Cargo book		
4								
5			Sunday	"	18 th	Weather fine Wind East.		
6								
7								
8								
9			Monday	"	19	Weather squally Finished		
10						Discharging rice to day		
11						and Discharged 100 bbls		
12						slow		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2			Tuesday	June	20 th	Weather fine Wind East.		
3						Crew employed in Discharging		
4						two men locked up in jail		
5						released at night 2 men employed		
6						in there placed at \$2.00 per day		
7			Wed	"	21 st	Weather fine Wind E.S.E.		
8						finished Discharging cargo		
9								
10			Thurs	"	22 ^d	at 6 am hauled out into		
11						the stream and anchored		
12						with 13 fathoms chain on		
1						starboard anchor fresh		
2						trade wind from the		
3						Eastward parted around		
4						outside		
5								
6			Friday	"	23 th	Weather fine Crew employed		
7						in repairing foresail		
8								
9								
10			Saturday	"	24 th	Weather fine with fresh trade		
11						wind finished forecail and		
12						bent it scrapping booms		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

Harbor log

laying in
towards

St. John's P.R.

day of

18

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1			Sunday June	June	25 th	first part of the day squally and rainy last part fine and clear with steady trade wind		
2								
3								
4								
5								
6			Monday	"	26 th	Weather squally with rain. Crew employed in scraping		
7								
8								
9			Tues	"	27 th	Weather fine dried the sail and scraping down		
10								
11								
12			Wed	"	28 th	Fresh trade winds and frequent squalls		
1								
2								
3			Thursday	"	29 th	Fresh trades and squally in the morning hauled the Brig up to the upper end of the harbor and rigged four jibbooms		
4								
5								
6								
7								
8			Friday	"	30 th	Strong breezes and squally		
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1			Saturday July	July	1 st	Throughout the day strong breezes and squally hauled into Latemooke Wharf and discharged all of our powder at night frequent heavy thunder showers		
2								
3								
4								
5								
6			Sunday	"	2 ^d	Fine and clear with very strong trade winds		
7								
8								
9			Monday	"	3 rd	Squally and rainy clearing up the whole for cargo		
10								
11								
12			Tuesday	"	4 th 1876.	fresh trade winds with frequent rain squalls. Rode 54 basks of sugar took them in and stored them		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

Harbor log

towards

St. Johns

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2								
3			Wed	July	3 th	Wind East and fresh		
4						Ree 49 Hhds. sugar and took		
5						them in and stowed them		
6			Thursday	..	6 th	fresh trades wind and equally		
7						took in 67 Hhds of sugar		
8								
9			Friday	..	7 th	fresh trade and fine		
10						Ree 21 Hhds sugar		
11								
12								
1			Sat.	..	8 th	fresh trades and fine weather		
2						Ree 33 Hhds. sugar. at 4 pm		
3						hauled out of the wharf		
4						and made fast. At morning		
5						booy in the stream got		
6						ready for going to Arecibo		
7								
8			Sunday	..	9 th	Fresh trades and fine weather		
9						laying at the Mooring booy		
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2			Mon	July	10 th	at 9.30 am took a pilot.		
3						Made all sail and cast off		
4						from the booy and proceeded		
5						to sea at 10 am discharged		
6						the pilot at 12 steering		
7						West running down the coast		
8						at 4 pm made Arecibo at		
9						5 came to anchor with		
10						30 fathoms chain on starboard		
11						Anchor in Arecibo Roads		
12								
1			Tuesday	..	11 th	Fine weather with trade		
2						wind from E & E		
3						Ree 70 Hhds. Sugar and		
4						finished loading		
5								
6								
7			Wed	..	12 th	Commences with light air		
8						and calms at 9 am Sea		
9						breeze set in took in boats		
10						caulked hatches and got		
11						ready for sea this day		
12						and with 12 hours to Arecibo		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

From

towards

Arecibo

New York

Remarks,

Thursday day of July 18th 18

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,
1						
2						
3						
4	7		NW	ESE		Comes in with fresh trade winds from ESE and clear
5	7					
6	7					at 3 PM hove up anchor and made sail for N.Y.
7	7					and took my departure from Arecibo
8	6					steering NW out of the Roads of Arecibo
9	6					
10	6					
11	6					
12	6		N by NW			
1	6					
2	6					Middle part fresh trades and passing clouds
3	6					
4	6					
5	6					
6	6					
7	6					Ends the same all sail set
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	120 Miles				20. 44N			68. 58	

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,
1	6		N by NW	East	$\frac{1}{2}$ M.	
2	6					
3	6					
4	6					Commences with fresh trades and fine weather all sail set
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6			ESE		
12	6					
1	6					
2	6					
3	6					Ends the same
4	6					
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	144	2. 13	5. 9	22. 32N	22. 34N 0°		19	68. 48	68. 50W

From

Arecibo

towards

New York

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, <i>Sat</i>	day of <i>July 15th 1876</i>
1	6		N by W $\frac{1}{2}$ W	East		Throughout these 24 hours light trade winds and fine weather all sail set At 3-am passed a schooner bound to the Howard painting ship	
2	6						
3	6						
4	5						
5	4						
6	4						
7	4						
8	4						
9	4						
10	4						
11	4						
12	4						
1	4		}	}		Pumps attended every 2 hours	
2	4						
3	4						
4	4						
5	4						
6	4						
7	4						
8	4						
9	4						
10	4						
11	4						
12	4						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					24. 47 N				69. 36 W

H	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, <i>Sunday</i>	day of <i>July 16th 1876</i>
1	4		N by W $\frac{1}{2}$ W	baffling from E & E		Come in with light trade wind and fine clear weather all sail set Employed in painting ship	
2	4						
3	3						
4	3						
5	3						
6	3						
7	3						
8	3						
9	3						
10	3						
11	3						
12	3						
1	3		}	No SE		Middle part fine Ends fine and clear Pumps attended	
2	3						
3	3						
4	3						
5	3						
6	3						
7	3						
8	3						
9	3						
10	3						
11	3						
12	3						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 19° W	75	20	21	25. 58 N	26. 08 N	0	24	70. 00 W	70. 00 W

From

Arecibo

towards

New York

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,
1	2		Nby N $\frac{1}{2}$ W	baffling		Monday day of July 17 th 18
2	2					
3	2					
4	2					
5	2					light baffling wind
6	2			from		and fine clear weather
7	2					
8	2					
9	2					
10	2					all sail set
11	2			NE		
12	2					
1	2					
2	2					
3	2					
4	2					
5	2			to		
6	2					
7	2					
8	2					Pumps Attended
9	2					
10	2			South		
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
		43.9	13.9	26.49	26.48 $\frac{1}{4}$		18-	70.19	70.24 $\frac{1}{2}$

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,
1	2		Nby W	baffling		Tuesday day of July 18 th 18
2	2					
3	2					
4	2					Commences with light baffling
5	2			from		airs from the Eastward
6	2					all drawing sail set.
7	2					
8	2					
9	2					
10	2					
11	3			East		
12	3					
1	3					
2	3					
3	3					Endl. with light breezes
4	3			to		from E NE
5	3					
6	2					
7	2			SSW		
8	2					Pumps Attended
9	2					
10	2					
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
N $\frac{1}{8}$ °W	5.8	52.6	16	27.41	27.43 $\frac{1}{2}$	No Var	18	70.42	70.44 $\frac{1}{2}$

From

Arecibo

towards

New York

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, <i>Wed</i>	day of <i>July 19th 1876</i>
1	2		<i>N by W</i>				
2	2						
3	2			<i>East</i>		<i>Commence with light wind</i>	
4	3					<i>and fine weather all</i>	
5	3					<i>sail set</i>	
6	3						
7	3						
8	3						
9	2						
10	2						
11	2						
12	3					<i>Middle part squally</i>	
1	3						
2	3						
3	3						
4	2		<i>N by W</i>	<i>N E</i>			
5	3						
6	2					<i>End. Fine with light</i>	
7	2					<i>airs from N E</i>	
8	2						
9	2						
10	2						
11	2						
12	2						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					<i>28.41 N</i>				<i>71.12 W</i>

H	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, <i>Thursday</i>	day of <i>July 20th 1876</i>
1	2		<i>N by W</i>	<i>baffling</i>			
2	2						
3	2					<i>Comes in with light breeze</i>	
4	2					<i>and fine all sail set</i>	
5	2			<i>and</i>			
6	2						
7	2						
8	2			<i>squally</i>			
9	2						
10	3						
11	3			<i>from</i>		<i>Middle part squally</i>	
12	4						
1	3						
2	3						
3	3			<i>North</i>			
4	3						
5	3					<i>End. the same</i>	
6	2			<i>to</i>			
7	2						
8	2			<i>E N E</i>		<i>Pumps attended</i>	
9	2						
10	2						
11	2						
12	2						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					<i>28.16</i>				<i>72.12 W</i>

From

towards

Anchors

New York

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Friday day of July 21 st 18
1	2		Nby W	from		
2	2					
3	2					
4	2					
5	2					
6	2					
7	2					
8	2			NE		
9	2					
10	2					
11	2					Middle part squally with rain
12	2					
1	2					
2	2			li		
3	2					
4	2					
5	2					
6	2					Ends light breeze from SW and fine
7	2					
8	3			SW		
9	3					
10	3					Pumps attended
11	3					
12	3					

Course.

Distance.

Diff. of Lat.

Departure.

Lat. by D. R.

Lat. by Ob.

Variation.

Diff. of Lon.

Lon. in.

Lon. by Ob.

30.04

30.06

72.38

72.40

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Saturday day of July 22 ^d 1876
1	3		Nby W	Sby E		
2	3					
3	3					
4	4					Comences with light breeze and fine weather all drawing sail set.
5	4					
6	4					
7	4					
8	4					
9	4					
10	5					
11	5					Middle part squally
12	5					
1	5					
2	5			SSW		
3	4					
4	4					
5	3					
6	3					Ends fine and clear Engaged in scrapping down.
7	5					
8	5					
9	5					
10	4					
11	4					
12	4					

Course.

Distance.

Diff. of Lat.

Departure.

Lat. by D. R.

Lat. by Ob.

Variation.

Diff. of Lon.

Lon. in.

Lon. by Ob.

93-

92

12

31.38

31.33

No Var

14

72.54

72.56 W

From

Acicibo

towards

New York

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Sunday day of July 23 ^d 1876
1	4		Nby W	SW		Comences with gentle breezes from SW and fine weather all drawing sail set
2	3					
3	3					
4	3			and		
5	3					
6	4					
7	4			baffling		
8	4					
9	5					
10	5					
11	5			Si		Middle part squally with rain took in light sails
12	6					
1	6			West		
2	6					
3	6					at 6 ^{am} passed a barge steering ENE
4	6					
5	6					
6	6					
7	6					End: fresh breeze and passing clouds.
8	6			SW		
9	6					
10	6					
11	6					Pumps Attended 11 days. Out
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					33. 22 N				78. 32 W

H	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Monday day of July 24 th 1876
1	6		Nby W	SW		Comes in with fresh breezes and passing clouds at 3 ^{pm} wind blowing up a gale took in all light sails at 6 ^{pm} heavy squall from SW took in Main and fore sail upper topsail and reefed Main staysail from 8 ^{pm} to 12 constant lightning and rain with heavy puff. of wind from SW running off before the wind with a heavy sea rolling very heavy and shipping large quantities of water at 4 ^{am} wind came out from WNW in a heavy squall at 3 ^{pm} set middle staysail and jib at 8 ^{am} set upper topsail and topgallant sail
2	6					
3	6					
4	7					
5	7					
6	7					
7	6					
8	6					
9	4		Nby E	Sby W		
10	4					
11	4					End: squally and rainy with thunder and lightning from all quarters no Ob. Pumps Attended
12	4					
1	4					
2	4					
3	4			SW		
4	4					
5	3					
6	0					
7	0					
8	0					
9	2		Nby W			
10	3					
11	3					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				35. 00 N				78. 28 W	

From

Anacibo

towards

New Park

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Tuesday day of July 23 rd 18	
1	2		North	SW		Commence with light breeze and heavy squall from all sides at 12 ^{am} took in Main sail	
2	2						
3	2						
4	0						
5	1						
6	0						
7	0						
8	2						
9	3						
10	3						
11	3						
12	0		up by N & E				
1	0					at 10 ^{pm} thick and rainy from NE and blowing up a gale have to render lower & topsail, Main staysail and fore topmast stay set	
2	0						
3	1						
4	1		off				
5	2						
6	2						
7	2		W & W				
8	2						
9	2						
10	2		NW				
11	3		North	E & E			
12	3						
at 6 ^{am} Moderate and weather clearing made sail							
End. brisk breeze from the Eastward and rainy no Obs. today							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				33. 40 N				73. 30 W	

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Wednesday day of July 26 th 18
1	2		N by W	East		Comences with light breezes from the Eastward and Rainy
2	2					
3	2					
4	2					
5	2					
6	2					
7	2					
8	2					
9	3					
10	3					
11	3					
12	3					
1	3					all sail set
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	2					
10	2					
11	2					
12	2					
1	3					Middle part fine and cloudy
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	2					
10	2					
11	2					
12	2					
1	2					End light winds from NE and fine weather. Got an Obs. and find her in
2	2					
3	2					
4	2					
5	2					
6	2					
7	2					
8	2					
9	2					
10	2					
11	2					
12	2					
1	2					36. 31 N Lat. 74. 00 W Lon
2	2					
3	2					
4	2					
5	2					
6	2					
7	2					
8	2					
9	2					
10	2					
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

From

Anacibo

towards

New York

Remarks,

Thursday

day of

July 27th 1876

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.
1	2		NN	NE	
2	2				
3	2				
4	2				
5	2				
6	2				
7	2				
8	2				
9	2				
10	2				
11	2				
12	2				
1	2				
2	2				
3	2				
4	2				
5	2				
6	2				
7	2				
8	2				
9	2				
10	2		NNN	NE	
11	2				
12	2				

Throughout these 24 hours
light air from the NE
and fine clear weather
all sail set by the wind
on starboard track

at 3-pm spoke the
whaling schooner Clara
of Sparks
"Exchanged Lon" found 40 miles
difference

Pump Attended

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					37.23			74.30W	

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	Friday	day of	July 28 th 1876
1	2		Nby E	East					
2	2								
3	2								
4	2								
5	2								
6	3								
7	3								
8	3								
9	3								
10	3								
11	3								
12	4								
1	4								
2	4								
3	4								
4	4								
5	4								
6	5								
7	5		South	Sby W					
8	5								
9	5								
10	5								
11	5								
12	5								

Ends fine and hazy
Wind SW

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				38.33	38.37			74.00	

From

Arecibo

towards

New York

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Saturday day of July 29 th 18 th
1	6		North	SE		<p>Commences with fine weather and fresh breeze from SE</p> <p>at 4^{pm} took a pilot from boat No 10</p> <p>at 7^{pm} sighted Barregat light.</p> <p>Middle part rainy and squally</p> <p>at 10^{am} took a towboat and towed up harbor</p> <p>at 2^{pm} anchored in North river with 80 fathoms on port anchor</p> <p>at 5^{pm} hove up and docked at Brooklyn at Martins Stores discharged crew. So ends the voyage to Porto Rico and back to New York.</p>
2	6					
3	6					
4	6					
5	6					
6	6					
7	6		N by E			
8	6					
9	5					
10	4					
11	4					
12	4					
1	4					
2	4					
3	4					
4	3		N by E	SE		
5	3					
6	3					
7	4					
8	4					
9	4					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, day of 18
1						
2						
3			Harbor Log			laying in New York
4						
5						
6			Monday Aug		28 th	laying at Pier 10 East River loading for St. Pierre Martinique
7						" cargo as per cargo book
8						Biggers at work putting up
9						new main rigging
10						Wind SW with fine weather
11						
12						
1						
2			Tuesday	"	29 th	Weather fine and clear Wind
3						SW Receiving general cargo
4						Steward came on board today
5						
6			Wed	"	30 th	Weather fine Wind SSW
7						Stewards taking in and
8						stowing cargo
9						
10			Thurs	"	31 st	Weather fine Wind South
11						taking in cargo
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

From

towards

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1			Friday	Sept	1 st	Weather fine Wind South		
2						Stewards Making in and stowing		
3						Cargo Crew came down		
4						and bent sails and took		
5						in stores at 5 P ^m took a		
6						towboat and towed over to		
7						Bed Hook to finish loading		
8								
9			Saturday	"	2 ^d	fine clear weather with NW		
10						gale finished loading and		
11						the hatches and got ready for		
12						sea		
1								
2			Sunday	"	3 ^d	Laying in Brooklyn ready		
3						for sea Wind light at NW		
4						Weather fine and clear		
5								
6						at 10 ^{am} crew and pilot came		
7			Monday	"	4 th	onboard took the towboat to		
8						Vanderbilt and towed down		
9						towards Staten Island at 11		
10						towboat left up made all sail		
11						and proceeded towards sea		
12						this day ends with 12 hours		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				124	126	78			

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	1000	day of	18
1					15	to commence sea time			
2			7 1/2		15				
3			7 1/2		15				
4					15				
5			49		225				
6			63		30				
7			30		1125				
8			1008		780				
9			1152		18				
10			144		30				
11			430		42				
12			30		0				
1			52 1/2		120				
2			15		120				
3			150		1290				
4			157 1/2		144				
5			144		135				
6									
7									
8									
9									
10									
11									
12									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

From

New York

towards

St. Pierre, Mart.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Tuesday day of Sept 5 th 18
1						
2	3		SE by S $\frac{1}{2}$ S	SW		Commences with light breezes and hazy weather
3	3					
4	3					
5	3					
6	3					at 1 pm pilot left up off the Light ship filled Neway and stood for sea
7	4					
8	4					
9	5					
10	5			NW		at 1.30 light ship abeam from which I take my departure
11	5					
12	5					
1	6					Middle part rainy
2	6					
3	6					
4	6					
5	6					Ends fresh breezes from NW and clear weather
6	6					
7	6			NNW		
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				38.57	38.56 N $\frac{1}{2}$ W	1-18	72.53	72.20	

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Wednesday day of Sept 6 th 18
1	7		SE by S $\frac{1}{2}$ S	NNW		Commences with fresh breezes and fine clear weather. All drawing rail set.
2	7					
3	7					
4	7					
5	7					Middle part the same
6	7					
7	7					
8	7					
9	7					End fresh breezes and fine
10	7					
11	7					
12	7					
1	7					Pumps attended
2	7					
3	6					
4	6					
5	6					SE by S NW
6	6					
7	5		SE by S	NW		
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				37.0	37.0 N			69.28	69.30

From

New York

towards

St. Pierre, Martin

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Thursday day of Sept. 7th 1876
1	5		SE by S	NW		Comences with light winds from NW and fine weather all drawing sail set.
2	5					
3	4					
4	4					
5	3					
6	3					
7	3					
8	2					
9	2					
10	2					
11	2					
12	3					
1	3			West-		Middle part Cloudy
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3			SW		
11	3					
12	3					
1	3					Ends with light wind from SW and overcast with light rain
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				36.23 N				68.36 W	67.36

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Friday day of Sept. 8th 1876
1	3		SE by S	SW		Comences with light SW wind and rainy at 2 pm breezing up fast took in all light sails at 3 pm took in top gallant sail
2	4					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	5					
10	3		SE		6 pt.	
11	3					
12	3					
1	2					at 6 pm blowing a fresh gale reefed the mainsail at 8 pm close reefed the mainsail and took in upper topsail foresail and jib and reefed main staysail
2	2					
3	2					
4	2					
5	2					
6	2					
7	3		SE 1/2 S	West-		
8	3					
9	3					
10	4					
11	5					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				35.41	35.42 N			68.48	67.35

From

New York

towards

St Pierre Mart

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Saturday day of Sept 9 th 18
1	6		SE $\frac{1}{2}$ S	West		Commences with fresh gales
2	7					and passing clouds
3	7					
4	7					
5	7					at 2 pm gale moderating set
6	7					Middle staysail jib and
7	6		SE by S			topgallant sail
8	5					
9	6					
10	7					
11	7					Middle part squally
12	7			WNW		
1	7					
2	7					
3	7					
4	7					
5	7					
6	7					End fresh gale from WNW
7	7					and clear
8	7					
9	7					Pumps attended
10	7					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				33.36 N	33.32 N			65.27	65.40

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Sunday day of Sept 10 th 18
1	6		SE	WNW		Commences with fresh gales
2	6					and clear
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					at 7 pm heavy squalls
9	5					took in topgallant sail
10	5					and mainsail
11	5					
12	5					Middle part clear
1	5					
2	5					
3	5			NW		made all drawing sail
4	5					
5	5					
6	5					
7	5					
8	4					Ends light breeze and
9	4					clear weather
10	4					
11	4			NW		
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				32.27	32.21			63.38	64.00

From

New York

towards

St. Pierre. Mart."

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Monday day of Sept 11 th 1876
1	5		SE	NR		
2	5					
3	5					
4	5					Commences with light breezes and fine weather all sail set.
5	5					
6	5					
7	5			North		
8	5					at 7 ^{PM} cloudy and squally
9	5					took in fore royal and
10	5					outer jib
11	5			E & E		
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					End gentle breezes and cloudy
8	5					saw a ship and Barge standing
9	5					to the NW
10	5					Drums Attended
11	5		SE	East		
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE	120				20. 59 N				62. 25 W

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Tuesday day of Sept 12 th 1876
1	5		South	ESE	1/2 pt	
2	5					
3	5					Commences with gentle breezes and cloudy
4	5					
5	5					all sail set.
6	5					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					Middle part clear and fine
1	3					at 2 ^{am} tacked ship to
2	3		East	ESE		E & S
3	3					
4	3					
5	3					
6	3					End. with light winds and fine weather
7	3					
8	3					
9	3					
10	3					
11	3		ESE	South		
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				29. 30	29. 37	1/2 pt W		61. 44	61. 48

From

New York

towards

St Pierre, Mart.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Wednesday day of Sept 12 th 18
1	2		E S E	South		
2	3					
3	2					
4	3					
5	2					
6	3					
7	2					
8	3					
9	2		SE by E	SE by E		Throughout these 24 hours
10	3					light air and fine
11	2					weather
12	3					
1	2					
2	2					
3	2					all sail set by the wind
4	2					
5	3		SE	SE W		
6	3					
7	3					
8	3					Pumps carefully attended
9	3					making no water
10	3					
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					29. 20 N			60. 54 W	

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Thursday day of Sept 14 th 18
1	2		SE	SE E		
2	2			SE W		
3	2					Commences with Moderate
4	2					breezes and fine
5	2					all sail set
6	2					
7	2					
8	2					
9	2					
10	2					
11	2					Middle part Moderate
12	2					
1	2					
2	2					
3	2					
4	2					End. Calm and
5	2					fine
6	2					
7	2					
8	1					
9	1					
10	1					
11	0		Calm			
12	0					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				28. 53	28. 53			60. 16 W	

From

New York

towards

St. Pierre Mont.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Friday day of Sept 15 th 1876
1	0					
2	0					
3	0					
4	0					
5	0					
6	0					
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					
1	1					
2	1					
3	2					
4	2					
5	2					
6	2					
7	2					
8	2					
9	2					
10	2					
11	2					
12	2					

Throughout these 24 hours
calms and light buffing
aris from all points of
the compass.

Sby E

Latter part light winds
and commencement of the trades

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					28. 19 N			60. 34 W	

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Saturday day of Sept 16 th 1876
1	4					
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	5					
10	5					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Sby E & E

East

Commences with light trade
winds and fine weather
all sail set.

Middle part fine

at 8^{am} strong trade and
squally took in fore royal
and outer jib

Drumpe Attended

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					26. 29 N			60. 11 E	

From

New York

towards

St Pierre Mart.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Sunday day of Sept 17 th 18
1	3		Lby E	Eby S		Comences with strong trades and fine weather
2	3					
3	3					
4	3					
5	3					afternoon squally
6	3					
7	3					
8	3					
9	3					at 10 P ^m split flying jib and took in gaff topsail
10	3					
11	3					
12	3					
1	4		{	{		Middle part heavy lightning in the SW
2	4					
3	4					
4	4					
5	4					at 7 ^{am} took a heavy squall from West took in everything but lower topsail
6	4					
7	3		Lby S			
8	3					
9	3					at 10 ^{am} set upper topsail and foresail
10	3					
11	2					
12	2					
Ends rainy and light wind from NNE						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
No Obs. today				24.51	No Obs.			69.49W	No Obs.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Monday day of Sept 18 th 18
1	3		Lby E	East		Comences with fresh trades and fine weather Made all sail
2	3					
3	3					
4	3					
5	3					Middle part the same
6	6					
7	6					
8	3					
9	3					Ends fresh trades and clear
10	3					
11	6					
12	3					
1	6					Pumps Attended
2	3					
3	6					
4	3					
5	6					
6	3					
7	6					
8	3					
9	6					
10	3					
11	6					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				22.42	22.39			69.21	58.25

From

New York

towards

St Pierre Mart

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.
1	3		S $\frac{1}{2}$ E	baffling	$\frac{1}{2}$ pt.
2	3				
3	3				
4	3				
5	3			and	
6	3				
7	3				
8	3				
9	3			Squally	
10	3				
11	3				
12	3			from	
1	3				
2	3				
3	3				
4	3			E N E	
5	3				
6	3			N	
7	3				
8	3				
9	4				
10	3			S E	
11	3				
12	3				

Remarks, Tuesday day of Sept. 19th 1876

Comes in with light breeze
and fine weather
all sail set at 4^{pm} bent
flying pm jib
at 6^{pm} passed a Barge
standing to the N W W

Middle part squally with
rain took in royals and
utter jib

End. fine with light breeze
from E S E
one Brig in sight.

Pumps Attended

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				21. 18	21. 18 N 20 W			0	59. 25 W

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.
1	3		S $\frac{1}{2}$ E	E S E	$\frac{1}{2}$ pt.
2	3				
3	3				
4	3				
5	3				
6	3				
7	3				
8	3				
9	3				
10	3				
11	3				
12	4				
1	4			E by S	
2	4				
3	4				
4	5		E by S		
5	5				
6	5				
7	5				
8	5				
9	5				
10	5			E by S	
11	6				
12	5				

Remarks, Wed day of Sept. 20 1876

Commences with gentle breezes
and fine weather
all sail set

Middle part clear and fine

End. fresh trades and
Cloudy

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				19. 38	19. 38 N			59. 31 W	

From

New York

towards

St. Pierre Mart.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Thursday day of Sept 21 st 18
1	4		S $\frac{1}{2}$ S	Squally		Comences with fresh breezes and frequent heavy squalls
2	3					
3	3					
4	3			and		
5	3					
6	3			Buffling		
7	4					
8	4					
9	4			from		
10	4					
11	4					
12	4			East		
1	4		S $\frac{1}{2}$ S			Middle part clearer
2	4					
3	4					
4	4					
5	4			to		
6	4					
7	4			S $\frac{1}{2}$ S		
8	4					
9	4					
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					18. 11 N			59. 48 W	

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Friday day of Sept 22 ^d 18
1	5		S $\frac{1}{2}$ W	East		Comes in with fresh breezes and fine weather all sail set
2	5					
3	6					
4	6					
5	6					
6	6					
7	7					
8	7					
9	7					
10	7					
11	7					
12	7					
1	7		S $\frac{1}{2}$ W			End fresh trades and fine
2	7					
3	7					
4	7					
5	7					
6	7					
7	7					
8	7					
9	7					
10	7					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					15. 39			60. 06	

From

New York

towards

St. Pierre Martinique

Saturday day of Sept 23^d 1876

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.
1	7		Sby W	E N E	
2	7				
3	7				
4	7				
5	7				
6	7				
7	7		S W by S		
8	7				
9	4				
10	3				
11	2				
12	2				
1	2				
2	2				
3	2				
4	2				
5	5				
6	5				
7	6				
8	6				
9					
10					
11					
12					

Commences with fresh trade winds and fine weather all sail set at 3^{am} sighted the Island of Mont. at 7^{pm} shortened sail and layed to for daylight at 4^{am} squared away and made sail at 7^{am} sighted St. Pierre and at 8^{am} came to anchor in the bay at 10^{am} Doctor came on board and ordered us to Port Royal for 3 days quarantine hove up anchor and made sail again and proceeded to Port Royal

Arrived in Port Royal at 4.30^{pm} let go Starboard anchor and 43 fathoms chain furlled up sails to end the voyage from New York

this day End. with 36 hours to Comence harbour log

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1			Sunday Sept		24 th	Weather squally and rainy with wind to the eastward laying at anchor in Port Royal bay		
2								
3								
4								
5								
6			Monday	"	25 th	Strong breeze from E N E and smoky Crew employed in setting up rigging		
7								
8								
9								
10								
11			Tuesday	"	26 th	Commences with fresh breezes and clear weather at 3 ^{am} hove up anchor and started for St. Pierre at 12 took a pilot at 1 ^{pm} came to and moved in St. Pierre with 50 fathoms chain on port anchor furlled sails spread awning and cleared up decks		
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

Harbor Log

laying in
towards

St. Pierre Mart.

day of

18

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2								
3			Wed	Sept.	27 th	Weather fine and clear		
4						with wind ENE		
5						Crew employed in discharging		
6						cargo as per Cargo book		
7								
8			Thurs	"	28 th	Weather fine Wind NE		
9						Discharging Cargo		
10								
11								
12			Friday	"	29 th	Commences with strong Easterly		
1						breeze and rainy Discharged		
2						one lighter of Flour Afternoon		
3						heavy gale and rainy indications		
4						of a Hurricane		
5								
6								
7			Saturday	"	30 th	Weather fine but light rain		
8						showers to ruff to land		
9						and cargo		
10								
11			Sunday	Oct.	1 st	fine clear weather		
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2			Mon	Oct.	2 ^d	Weather rainy and squally		
3						Discharged some cargo		
4						as per Cargo book		
5								
6			Tues	"	3 ^d	Weather squally and rainy		
7						Crew employed in Discharging		
8						Cargo		
9								
10			Wed	"	4 th	Weather fine Finished discharging		
11						cargo at night one seaman		
12						took the small boat and		
1						deserted Frank Frenchman		
2								
3			Thursday	"	5 th	Weather fine took in 30 tons		
4						of stone ballast and filled		
5						the water		
6								
7			Friday	"	6 th	Forenoon unmoored and		
8						hauled off to the bay		
9						at 3 P.M. Capt. came off with		
10						one boy going under weigh		
11						for St. Pierre Island		
12						this day Ends with 12 hours		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

St. Pierre Mart.

From

St. Pierre

towards

Turks Island

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Lat.	day of	1876
1								
2								
3								
4								
5	2		NW by N NE			Commences raining and squally at 4 pm got under weigh from the buoy at St. Pierre and proceeded to sea		
6	2							
7	3							
8	3							
9	2							
10	4							
11	5							
12	5							
1	6							
2	6							
3	6			E NE		Middle part squally Dominica in sight on starboard beam		
4	6							
5	6							
6	6							
7	6							
8	6							
9	7							
10	7			East		at 12 ^m North End of Guadalupe Island bore NE by E distant 5 miles		
11	7							
12	7							

at 12^m North End of Guadalupe Island bore NE by E distant 5 miles

End of fresh trades and fine weather

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					16. 04 N				

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Sunday	day of	1876
1	7		NW by N					
2	7							
3	7			East		Commences with strong trades and fine weather all sail set		
4	7							
5	7							
6	7							
7	6							
8	6							
9	7							
10	7							
11	7							
12	7							
1	7							
2	7							
3	7							
4	7							
5	7							
6	7							
7	7		NW by NW East					
8	7							
9	7							
10	7							
11	7							
12	7							

Middle part squally took in light sails at 2^{am} made Saba Island

at 6^{am} kept off NW by NW for sail rock passage

at 12^m sighted Virgin Gordon bearing NW by N distant 20 miles

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					18. 08				

From

towards

St. Pierre

Turk. Island

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Monday day of Oct-9 th 18
1	7		W/VW	East		Commences with fresh trades
2	7					and fine
3	7					
4	7					
5	7					at 4 ^{pm} sighted St. Thomas
6	7					Island
7	7					
8	7		NW			at 8 ^{pm} came through
9	5		NW 1/4 N			between St. Thomas and
10	5					Porto Rico
11	6					
12	7		NW			Middle part fine
1	7					
2	7		NW 1/4 N			
3	7					Engaged in painting ship
4	7					outside
5	7					
6	7					
7	7					Ends fresh breezes and
8	7					fine weather
9	7					
10	7					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					19.44 N				

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Tuesday day of Oct-10 th 18
1	7		NW by N	East		Commences with fresh trades
2	7					and fine weather
3	7					
4	7					
5	7					All sail set
6	7					
7	7					
8	7					
9	7					
10	7					
11	7					
12	7					Ends the same
1	7					
2	7					
3	7					
4	7					
5	7					
6	7					
7	7					
8	7					
9	7					
10	7					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					21.10			62.00	

From

St. Pierre

towards

Turks Island

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	1876
1	7		W by W				Wed	Oct-11 th
2	5							
3	5		W by N	East		Commence with fresh trades		
4	5					and fine weather all		
5	5					drawing sail per.		
6	5							
7	5							
8	5							
9	5							
10	6					Middle part the same		
11	6							
12	6					at 6.30 sighted the light		
1	6					tower on Grand Turk		
2	6					at 8 ^{am} took a pilot and at 11		
3	7					came to anchor with 80 fathoms		
4	7					chain on port anchor furlled		
5	7					sails and commenced throwing		
6	7		W by S	ESE		overboard ballast.		
7	7							
8	7					This day end ^d . with		
9	7					36 hours to commence		
10	7					harbor log		
11	7							
12	7							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2								
3			Thursday Oct	12 th		Corner in with fresh trades		
4						and fine weather at 5 ^{am}		
5						hove up and got under		
6						weigh for East Harbor		
7						at 6 ^{am} commenced throwing		
8						over ballast finished at 9.30		
9						at 10.30 came to anchor		
10						in East Harbor with both		
11						anchors ahead layed		
12						dunnage and gold ready		
1						for Salt.		
2			Friday Oct	13 th		Weather fine with fresh		
3						trade winds Rec" 8.36.		
4						bushels of Salt.		
5								
6								
7			Sat	"	14 th	Weather fine & clear		
8						finished loading Salt.		
9						7,178 bushels and hove		
10						out to the buoy ready		
11						for sea		
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

Turk. Island

towards

Boston

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Sunday day of Oct-15 th 18
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Commences with fresh breeze
from SE and fine clear
weather at 7.30 am hove up
anchor and made all sail
at 8 am east off from the
bouy and left off East Harbor
at 10^{am} discharged the pilot.

this day End. with 12 hours
to comence sea time

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Monday day of Oct-16 th 18
1	6		NE by N			
2	6					
3	6		North	E SE		
4	6					
5	6					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	4					
1	4					
2	4			SE		
3	4					
4	4					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	3					
12	4					

Commences with fresh trades
and fine weather

all sail set.
at 2 pm Turk Island
light bore SE distant
19 miles from which
I take my departure

Middle part fine

Latter part engaged in
painting ship

Pumps Attended every
2 hours

Le End

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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23.43N

71.28

71.28W

From

East Harbor

towards

Boston

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Tuesday day of Oct. 17 th 1876
1	4		North	SE		
2	4					
3	4					
4	4					Commences with gentle trade
5	4					and fine weather
6	4					all sail set
7	4					
8	4					
9	4					
10	4					
11	4					Middle part the same
12	4					
1	4					
2	4					
3	4					End: with light South
4	4					wind and a heavy
5	4					Northwardly swell
6	4			South		at 8 am took in Gaff topsail
7	4					and mainsail
8	4					
9	3					
10	3					
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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23. 29 N

71. 42 W

H	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Wed day of Oct 18 th 1876
1	3		North			
2	3					
3	3					Commences with light
4	2					Wind from the South
5	2			Eaffling		all drawing sail set
6	2					
7	2					
8	2					
9	2					
10	2					Middle part equally
11	2					with rain
12	2					
1	2					
2	2					
3	2					
4	2					
5	2					
6	2					End light air
7	2					from SE and fine
8	2					
9	2					
10	2					
11	2					
12	2					Thumps attended

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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26. 18

71. 50 W

From

Turks Island

towards

Boston

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Thursday day of Oct 19 th 18
1	2		North	E/NE		
2	3					
3	3					Commences with squally
4	4					rainy weather
5	4					
6	4		NW	N/NE		and dark gloomy looking
7	4					clouds all drawing sail
8	4					set.
9	4					
10	4		North	East.		At 6 ^{pm} took in light
11	3					sails
12	3					
1	3					
2	3					Middle part clearer
3	3					
4	3					
5	3					
6	3					
7	4					End. with fresh Easterly
8	4					breezes and frequent
9	4					squalls
10	4					
11	4					Bump attended
12	4					every 2 hours

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				No Ob 27.37				72.17	No Ob.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Friday day of Oct 20 th 18
1	5		North	SE		
2	5					
3	5					Commences with fresh
4	5					breezes and squally
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					Middle part the same
11	5					at 6 ^{am} set light sail
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					Noon heavy southerly
6	5					squalls took in light
7	5					sails Gaff topsail and
8	6			SE		main sail
9	6					
10	6					So End
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				29.38				71.40	

From

East Harbor

towards

Boston

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Lat.	day of	Oct. 21 st 1876
1	7		N $\frac{1}{2}$ W	SE		Commences with fresh breezes from SE and squally		
2	7					at 6 ^{pm} took in fore royal		
3	7					at 9 ^{pm} wind increasing to a gale took in fore top gallant sail		
4	7					wind right aft. at 12 ^{mid} took in upper top sail and reefed foresail		
5	7					at 4 ^{pm} wind increasing to a Hurricane pulled square sails and hove to on starboard tack		
6	7			SE		under close reefed mainsail		
7	7					reefed mainstay sail and f. J. No 14		
8	7					at 8 ^{am} blowing a Hurricane got staysails down and put out a ding a fearfull sea coming from S E		
9	7			South		at Noon got cargo gear and put hawsers to it for another ding		
10	7					End wind a Hurricane blowing hard from South		
11	7					Pumps attended every half hour		
12	7					(No Obs. rain)		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Sunday	day of	Oct. 22 nd 1876
1						Comes in with a fearfull Hurricane from South and heavy		
2						Rolling ship rolling		
3						and tossing around fearfull main deck covered		
4						flooded with water		
5						at 6 ^{pm} it commenced to moderate a little		
6						but still blowing hard from West		
7						at 9 ^{pm} wind NW set Mainstay sail to keep the ship from rolling so heavy		
8						Midnight set fore topmost stay sail		
9						At 6 ^{am} gale moderating and weather improving hauled in the dings and set lower topsail and foresail		
10						at 8 ^{am} wore ship to NNE		
11						10 ^{am} gale still moderating made sail accordingly		
12						To End Pumps attended		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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31. 14W

From

Turks Island

towards

Boston

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Monday day of Oct. 23 ^d 1876
1	3		NNE	NW	3 pt.	Comences with fresh gales and clear weather at 1 pm turned out close reef from the mainsail
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	2					Middle part squally with rain
12	2					
1	2					
2	2					
3	2					
4	2					
5	2					
6	3					
7	2					
8	3					
9	2					
10	3					Latter part heavy swell coming from the NE fresh gales from NNW and light squalls
11	2					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					31. 44N				70. 84W

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Tuesday day of Oct. 24 th 1876
1	3		NNE	NW		Comences with fresh gales and a heavy NE swell "Bar" down to 29. 70
2	3					
3	3					
4	3					
5	3		NE by N			
6	2					
7	2					
8	2					
9	2					
10	2					
11	3					Middle part clearer
12	3					
1	3		North	NNW		
2	3					
3	3					
4	3					
5	4					
6	4		By NW			
7	4					
8	5					
9	4					
10	4					
11	4					At noon saw a three masted schooner with head of mainmast gone
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					32. 42				69. 56

From

East Harbor

towards

Boston

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	Wed	day of	Oct. 23. 1876.
1	4		NNW	West.					
2	4				6 36 64	Comences with fresh breeze			
3	4	18		4 5 64	16	from the westward			
4	4	10		5 5	3	and clear weather			
5	4	10 8		30					
6	4	18 8		16 50	15 00	at 4 pm			
7	4	12		44	11 44	standing to the Eastward			
8	4	24		140	4 29 4				
9	4		Nly W	96	4 22				
10	4			4	60				
11	4			13	40				
12	4	24		12	25				
1	4	24		12	10 8	Middle part the same			
2	4	24		12	27				
3	4	24		24	3 7 8				
4	4	12		12	25 0				
5	4	12		12	25 0				
6	4	12		12	25 0				
7	4	12		12	25 0				
8	4	12		12	25 0				
9	4	12		12	25 0				
10	4	12		12	25 0				
11	4	12		12	25 0				
12	4	12		12	25 0				

End. fresh breeze from West. and fine

Drumps Attended

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					34.15 N			70.23 W	

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	Thursday	day of	Oct. 26th 1876
1	4		NNW	West.					
2	4				100	Comences with fresh breezes			
3	4				25	and clear weather			
4	4				2 100				
5	4	22		12	24	at 6 pm			
6	4	5 25		12	24	wind increasing			
7	3				160	took in flying jib			
8	3					gallant sail and reefed main			
9	2					bars			
10	3								
11	2		NNE	NR					
12	3					Middle part Cloudy			
1	2								
2	3								
3	3								
4	3								
5	3					at 10 am took out			
6	3					reef from No 9 and			
7	1								
8	2					set for J G I			
9	1					at noon saw a big standing			
10	3					to the S E			
11	3								
12	3					So End.			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					35.47 N			70.12 W	

From

Tuck's Island

towards

Boston

Remarks,

day of

Friday Oct. 27th 1876

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,
1	4		North			Comes in with fresh breeze and cloudy weather all but royal set.
2	4			32 64	12	
3	4					
4	5					
5	5					At 6 Pm strong breeze from the westward and puffy
6	4					
7	5					
8	4					
9	5					At 10 Pm heavy lightning storm with the Northward took in top gallant sail and flying jib
10	5					
11	3		NNE	NW	2 M.	
12	3					
1	3					at 10.30 took a heavy squall from NNE took in upper topsail and closed reefed mainsail at 4 am took a heavy squall from NW hauled up the forecail and reefed in
2	2		NE		3 M.	
3	2					
4	2					
5	2					At 6 am wore ship and hove to on starboard tack under closed reefed mainsail and reefed main staysail split fore topsail staysail and took bit in End. heavy gales and
6	2		West up N		7 M.	
7	2					
8	2		off NW			
9	2					cloudy ship rolling and pitching badly
10	2					
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
Main	deck	being	constantly	flooded	with	water			no

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,
1	1		up N			Comences with heavy NNE gale and squally ship rolling rails under keeping the main deck full of water all the time
2	2					
3	1					
4	2		off NNE			
5	1					at 4 Pm wind moderating a little set lower topsail and bob jib
6	2					
7	1					
8	2		W by N	NNE	6 M.	
9	1					Middle part heavy gales and clear
10	2					
11	1					
12	2					
1	1					At 6 am set reefed foresail and whole jib
2	2					
3	2					
4	2					
5	2					at 10 Moderating fast set upper topsail & top gallant sail and flying jib
6	2					
7	2					
8	2					
9	3					At noon backed to NE Ende. fresh breeze and cloudy weather pumps attended
10	3					
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					36.31				69.30

Baslow

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
				37.49	38.49				68.00

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
					38.21 N			69.18 W	

From

Tuck Island

towards

Boston

Remarks,

Tuesday

day of

Oct 31st 18

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,
1	4		Why N	920		Comences with fresh breeze
2	4			140		and the Northward and
3	4		10 22	146		fine clear weather
4	3		21	192		
5	3		22	403		
6	3		44	198		
7	3			198		
8	3		W N W	144		
9	3			144		
10	3			144		
11	3			144		Middle part clear and
12	3			144		moderate All sail set.
1	3			144		
2	3			144		
3	2			144		
4	2			144		
5	2			144		8 am Calm unbent the
6	2			144		foresail and repaired it
7	1			144		bent it again
8	0			144		
9	0			144		End of fine but cloudy
10	0			144		
11	1		N N W	West		
12	2					

Course.

Distance.

Diff. of Lat.

Departure.

Lat. by D. R.

Lat. by Ob.

Variation.

Diff. of Lon.

Lon. in.

Lon. by Ob.

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,
1	2		North	N N W		Comences with light wind
2	3			N N W		and fine weather All sail
3	3			N N W		set
4	2			N N W		
5	2			N N W		
6	3			N N W		
7	3			N N W		
8	6			N N W		
9	6			N N W		
10	6			N N W		
11	6			N N W		Middle part foggy
12	3			N N W		
1	6			N N W		
2	6			N N W		
3	3			N N W		
4	3			N N W		
5	4			N N W		End of light winds and
6	3			N N W		hazy foggy weather
7	3			N N W		
8	3			N N W		
9	3			N N W		
10	2			N N W		
11	2			N N W		
12	2			N N W		

Course.

Distance.

Diff. of Lat.

Departure.

Lat. by D. R.

Lat. by Ob.

Variation.

Diff. of Lon.

Lon. in.

Lon. by Ob.

39. 5814

70.30W

From

Turk. Island

towards

Boston

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Thursday day of Nov 2 ^d 1876
1	2		NW	20	1	
2	2					Comes in with light breeze
3	3					and foggy weather all sail
4	3					set
5	3					
6	4					at 12 mid rounded in 43 fath
7	4					
8	4		NNE			at 4 am rounded in 19 fathoms
9	5					" 6 " " 17 "
10	5					
11	5					at 8 27/1383 rounded in 15 fathom
12	5					
1	6					at 10 " " "
2	6					
3	6					at 11 am " in 38 "
4	6		NE			hauled up north thick fog
5	6					with wind at W & W
6	6					
7	6					
8	6					
9	6					at noon clearer got the
10	6		E NE			sun 41.09 N Lat
11	6		North			kept up NW to go up
12	6		NW			South channel

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, Friday day of Nov 3 ^d 1876
1	6		NW by N	SW		
2	6					Comes in with fresh breeze
3	6					from SW and thick fog
4	6					all sail set
5	6					
6	6					at 8 pm sighted Nauesetts lights
7	6					at 12 mid Highland light
8	6					bore SW at 1 made the
9	6					race point light
10	6					at 3 am made minor light
11	6					" 4 am Boston "
12	6		NW			at 6.30 am came in by Boston
1	6					light at 8 am anchored on
2	6					fourth Boston flats at 10 am
3	6		W NW			hove up and docked at
4	6					Mistic wharf Charlestown furlled
5	6					sails cleared up decks and
6	6					Discharged the crew so End.
7	6					the passage from Turk. Island to Boston
8						19 day
9						this day has 36 hours to End
10						Sea Time
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

Benjamin

towards

Lathrop

18

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1						Almond Bread		
2						Blanch $\frac{1}{2}$ lb of almonds and dry them		
3						Night before in the Oven when not very		
4						hot the next morning grind and boil		
5						them for an hour and $\frac{1}{4}$ quarter in		
6						water in which $\frac{1}{4}$ Tea Spoonfull of		
7						linseed has bin put then mix well		
8						the mass with 6 pieces of butter about		
9						the size of $\frac{1}{2}$ large Walnut and 4 Eggs		
10						them put in a little salt the yolk of		
11						4 Eggs and the white of the whole fresh		
12						for ten minutes & fine froth made by		
						beating the whites of the 4 Eggs stiff.		

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

Almond Bread in Caps by a little fire

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1						Smear the Caps with melted butter		
2						before baking Bake about three quarters		
3						of an hour		
4								
5								
6								
7						Egg Bread		
8						one Egg well beaten one Cup of		
9						Milk & little salt & $\frac{1}{4}$ Cup		
10						of glutinous flour bake in it		
11						hot over about twenty minutes		
12								

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in. Lon. by Ob.

From

towards

10/260(26
20 150 15
60 900 24
1100 200
2400 200

18

12/22 1/68 2,5
12 101
240
240
240

24
20
240
20

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2	May 5		6 hours off			18 200		
3						19 200		
4		7		28	13 200	20 200		
5				29	14 200	21 200		
6		7		30	13 200	22 200		
7		10		31	13 200	23 200		
8		11	2 June 1		7 200	24 200		
9		12		2		25 200	1 20	
10		13		3	200	26 200	56	14 10 50
11		14	6	do 4	200	27 200	45	
12		15		do 5	200	28 200	22 14	
1		16		6	200	29 200	31	
2		17	4	7	200	30 200	48	
3		18		8	200	31 200	35	
4		19		9	200	1 175	36 11	
5		20	16	10	200	2 200		
6		21	15	11	200	3 200		
7		22	15	12	200	4 200		
8		23	13	13	200	5 200		
9		24	14	14	200	6 200		
10		25	14	15	200	7 175		
11		26	18	16	200	8 175		
12		27	13	17	200	9 175		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2								
3	4	5	62					
4								
5	8	10	125					
6	9	10	125					
7	12	10	125					
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From *New Bedford*

towards *Cape Fairwell & Lams Straits*

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, 17	day of July	1877
1						<i>At 9 AM left City Wharf Toward by Steam Lug & Pilot Thick fog at 12 1/2 the lug and Pilot left</i>		
2								
3								
4								
5					6.00	<i>May sold to Capt Hagar</i>		
6		3	<i>17 lbs Rum</i>		2.00	<i>July 17 sold 2 Tombs</i>		
7		10			5.00	<i>18 do 1800</i>		10.80
8		20			4.10			
9			<i>Land</i>			<i>m</i>	6	
10	<i>April 2</i>				2.00	<i>5200</i>		
11	<i>9</i>				2.00	<i>650</i>		
12	<i>23</i>		<i>SW</i>		9.00	<i>4550</i>		
1			<i>Home</i>		2.00	<i>made Every thing snug for the night. Chast wakers and Boats Crews latter part. were Ship employed in getting Boats ready</i>		
2					32.14			
3					45			
4					90			
5					56			
6					34.05			
7			<i>SE by S</i>		4650			
8					12.45			
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks, 18	day of July	1877
1						<i>Bought Drum of Capt Hagar</i>		
2								
3								
4								
5						<i>Whill & Land</i>		
6						<i>4.00</i>		
7								
8								
9						<i>30</i>		
10						<i>May 1</i>		
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

towards

20/12 00/60
10060
180
180
180

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks	day of	18
1								
2						March 14 1891		
3						Bought 4 Haggan of the Cal		50.00
4						Paid		25.50
5								50.00
6								25.50
7						October 3 rd 191		
8						Received of Capt Charles H Hagar		
9						for May Twenty Three Dollars		25.00
10								
11								
12								
1								
2						Capt Charles H Hagar Dr to		
3						for May		
4								
5								20.00
6								4.50
7								5.00
8						Turnips 4.00		
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1						April 8 Edward Kelly worked for me		
2						13.7.11.11		
3						18.5.50 25.5.50		
4						10.10.10.9.4.40		
5						20.2.20 23.10.10.25.3.30 27.2.20 28.2.20		
6						June 2.2.20 3.2.20 4.2.20 25.4.40 26.10.15.0		
7						9.2.20 11.7.15 20.9.30 27.9.90		
8								
9								
10								
11						July 14		
12								
1						17.7.35 18.8.20 21.15 22.10 Paid		
2						25.5.25		
3						2.10.5.00 18.2.4 13.20.2.10.21.2.10.23.10.50		
4						25.2.10 27.2.10 28.2.10		
5						June 2.2.18 3.2.10 4.2.10 5.6.35 6.10.50		
6						9.2.10.10.2 10.11.2.10 13.10.50 15.2.10.16.2.15		
7						17.2.10 20.9.45 23.2.10 24.2.10 25.2.10 27.10.50		
8						July 1.10.50 2.10.50		
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

towards

144 Roosters 6 Chickens 15
Credited January

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	1891
1	13	30	2.16 3 1/2	25 40		10 2 Bush Corn	1.50	
2	14	30		26 31		5 2 Bush Corn 100 lbs Wheat	3.14	
3	15	31		27 35	3.52 11	3 2 Bush Corn	.75	
4	16	35		28 34		15 2 Bush Corn	1.50	
5	17	31		29 27		100 lbs Wheat	1.65	
6	18	39	1.80 5	30 28	256.8	22 2 Bush Oats 1 Wheat 1 Corn	3.65	
7	19	47		31 24		29 Shells 50 Strips 1.30	1.80	
8	20	31				31 Oats Meal Wheat	3.64	17 63
9	21	47	1.62 4 1/2	Eggs sold	23.80			
10	22	40		used	80			
11	23	37		Manure	3.00			
12	24	35	2.00 5	10 of Eggs	27.60			
1	13	30		891				
2	14	30	1.53 4 1/2					
3	15	31						
4	16	35	1.87 5 1/2					
5	17	31						
6	18	39						
7	19	37	2.24 7					
8	20	31						
9	21	47						
10	22	40	1.5					
11	23	37	4.80					
12	24	35						

Credited

7.17

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	Eggs				February				
H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	1891	
1	13	32	2.05	25 26	1.10 5 1/2	2 Bush Corn	1.40		
2	14	25		26 37	201	9 2 Bush Corn	1.48		
3	15	21	2.70 9	27 35	1.20 6	13 2 Bush Corn	1.48		
4	16	41		28 40		17 2 Bush Corn 100 lbs Wheat	3.22		
5	17	24		29		20 2 Bushels Corn	1.54		
6	18	26	1.80 6	31		25 2 Bushels Corn	1.54		
7	19	17							10 73
8	20	22		7.26					
9	21	21							
10	22	25	2.96 8						
11	23	22							
12	24	27							
1	13	16	2.29 6						
2	14	17							
3	15	20							
4	16	20	1.00 5						
5	17	14				2 - sold 2 Duck	1.54		
6	18	24				Eggs sold 56 doz	15.05		
7	19	19				Eggs used 4 1/2	1.08		
8	20	27	1.10 5 1/2			Manure	3.00		
9	21	22							20 57
10	22	23	80.4						9.84
11	23	32							
12	24	32							
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.

From

Jan 19 1881 right 45 fms and latitude 1 Noster

towards

at West 179.98

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	48		208	25 74	110.5	2 Bush Corn 1 do Oats	\$ 2.19	
2	56		5.2026	26 78		2 2 Bush Corn 1 do Oats	2.04	
3	49			27 83		6 2 Bush Corn	1.58	
4	50			28 66	147.7	10 3 Bush Corn	2.84	
5	51			29 100	231.11	2 1 Bush Corn	1.33	
6	61			30 92		14 2 Bush Corn	1.70	
7	59			31 85	126.6	17 2 Bush Corn 1 do Oats	2.43	
8	63		2.6013			21 1 Bush Corn 1 do Oats	1.62	
9	63		1.00 5			23 2 Bush Corn	1.82	
10	67					25 2 Corn 1 Oats	2.53	
11	56					28 2 Bush Corn	1.82	21.50
12	54		2.0010					
13	58		80 4			Poultry sold	2.57	
14	57		1.60 8			14 Poultry	3.76	
15	66					26 Poultry	4.56	
16	67					Eggs sold and used used	34.23	
17	70					Manure	3.00	48.82
18	68		3.8017					
19	67							
20	72		3.8017					
21	67							
22	63		5.0025					
23	54							
24	75		1.92 8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	86			25 81		2.4 Bushels Corn	\$ 3.44	
2	95		2.57 9	26 86		4 1 Bush Corn 3 do Oats	2.98	
3	91			27 96	96.6	9 3 Bushels Corn 2 Oats	4.04	
4	92		3.8017	28 82		16 3 Bushels Corn 2 Oats	4.04	
5	93			29 88	622.36	23 3 Bush Corn	2.83	
6	92			30 85		2 Bushels Oats	1.48	
7	89					29 3 B Corn 3 B Oats	4.86	23.67
8	88							
9	88		6.83.32					
10	78							
11	81							
12	75					Poultry	3.44	
13	76					Poultry	3.35	
14	90		1.8611			Eggs sold 3474 used 2.04	36.78	
15	86					Manure	3.00	46.57
16	83							
17	73		5.49.30 1/2					
18	78							
19	88							
20	78							
21	88							
22	78							
23	78		6.58.42					
24	86		88 5 1/2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

Credit

towards

Dipt

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	89		<i>Long</i>	25 61		72 Corn ¹⁷⁶ 2 Bush Oats 144 Meat 40 B		
2	81			26 76				3.60
3	77			27 68		148 Corn ²⁵⁸ 2 Oats 144 Meat 80		5.38
4	72			28 78	7.8738	213 Bush Corn ²⁴⁶ 3 Bush Oats ²¹⁰ Meat 80		5.36
5	78			29 72		282 Bush Corn 2 Oats		4.43
6	66			30 69		Shells		45-19.21
7	70	7.8739 $\frac{1}{2}$		31 54				
8	70							
9	67							
10	61							
11	68							
12	64					Eggs sold 29.90		
13	67						11	
14	76	6.5831 $\frac{1}{2}$				Eggs used & co	5 80	
15	63					Hanner	3 00	3.5-21
16	74							3.00
17	75							38.81
18	56							
19	63							
20	68							
21	77	7.5837 $\frac{1}{2}$						
22	71							
23	65							
24	65					Eggs 18.17		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
	<i>Credit</i>					<i>Dipt</i>			

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	74			25 63		4 2 Bush Corn at 76¢		1.52
2	66			26 51		1 do Oats at 66¢		66
3	62			27 57	3.7417	5 lbs Wheat		95
4	56	7.31 36		28 59		Meat		49
5	60			29 61		11 3 Bush Corn		2.28
6	48			30 40		2 do Oats		1.32
7	54					50 lbs Wheat		95
8	56					Meat		50
9	60					19 3 B Corn at 72¢		2.16
10	57					2 do Oats c 60¢		1.20
11	58	5.43 26				50 lbs Wheat		95
12	57					Shells		45
13	54					Meat		60
14	72					27 2 Bush Corn c 72¢		1.44
15	61					2 do Oats c 60		1.20
16	78					Meat		59 17.26
17	76							
18	68					Poultry	3.62	
19	73	8.80 40				Eggs sold and used	33 24	36.86
20	69					Hanner		3.00
21	56							
22	52							
23	64	3.08 14						
24	70					Eggs 18.17		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

Credit July 1891

towards

Deft

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	50			25-58		2 1/2 corn		22
2	45		4.56/9	26 45		1 Oats		56
3	59			27 49	260/10	50 lbs Wheat		95
4	45			28 48		Meat		36
5	58			29 42		2 Bu Corn e 78¢		1.56
6	45		2.25-9	30 49		1 do Oats		56
7	49			31 41	449/7	50 lbs Wheat		95
8	38					Meat		42
9	44					13 Bu Corn e 72		72
10	45		2.35-9			50 lbs Wheat		95
11	43					15- Bush Corn		72
12	45					Oats do		56
13	43		3.48/4 1/2			50 lbs Wheat		95
24	45					24 1/2 corn		72
35	36		2.34 9 1/2			1 Oats		60
46	48					50 lbs Wheat		95
57	44					31 Bush Corn e 80¢		1.60
68	51					1 Bush Oats		60
79	45		3.64/4 1/2			50 lbs Wheat		95 15.40
80	49							
21	54					Fowl	2.34	
102	48					Eggs	32 62	34.96
113	48					Manure		3.00
124	50							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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August 1891

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	38		Long	25-27		4 1/2 Bush Oats		56
2	31			26 29		50 lbs Wheat		95
3	35			27 23		8 Bush Corn		80
4	36		286.11 1/2	28 27	1826 1/2	11 Bush Corn		80
5	28			29 27		Bush Oats		65
6	28			30 37		50 lbs Wheat		95
7	39			31 31	2637	14 Bush Corn		80
8	33		286.11			Bush Oats		65
9	28					17.50 lbs Wheat		95
10	35					24 Bush Corn		86
11	33		130.5			Oats do		56
12	30					28 Bush Corn		88
13	35					Oats do		54
24	31		302.12			50 lbs Wheat		95 10 80
35	38							
46	34							
57	35		190 7 1/2			Fowl sold	8.17	
68	24					Eggs sold	21.07	
79	34					Eggs used	69	29.93
80	32					Manure		3.00
91	39							
102	28							
113	32		4.68/18					
124	22		No			of Eggs	9.75	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

towards

Credit

September

21

Dept

day of

18

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1		21		25 14	Sept	1 Bush 84 1 B Oats 130 lbs		84
2		40	3.15 10 $\frac{1}{2}$	26 6		50 lbs Wheat		95
3		31	30 1	27 13		7 Bush Corn 86 1 do Oats 54	1.40	
4		32		28 10	96.3	11 Bush Corn		86
5		34		29 13		15 B Corn 1 do Oats 54 Shells	1.83	
6		32		30 13	1284	20 B Corn 84 Oats 54 100 lbs Wheat	3 28	
7		35	3.30 11			24 B Corn 1 do Oats 50	1.34	
8		32				28 B Corn 1 do Oats 50	1.34	11.89
9		34						
10		32						
11		34	3.15 10 $\frac{1}{2}$					
12		28						
13		33						
14		29						
15		15	2.70 9			Eggs sold	21.25	
16		28				undersold	" "	
17		9				Poultry sold	2.95	
18		12				Marline		\$ 24.20
19		7						3 00
20		5	3.52 11					27 20
21		20						
22		7						
23		13						
24		17	2.88 9	Eggs	728			

Course.

Distance.

Diff. of Lat.

Departure.

Lat. by D. R.

Lat. by Ob.

Variation.

Diff. of Lon.

Lon. in.

Lon. by Ob.

Credit October 91

Debit

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	13		1.24.4	25 15	Oct	1 Bush Corn 74		74
2	15			26 15		1 do Oats		56
3	27			27 15	1.70.5	5 lbs Wheat		95
4	17			28 16		6 B Corn 74 1 do Oats 56	1.30	
5	15			29 16		50 lbs Wheat	95	
6	25		1.60.5	30 13		14 2 B Corn 158.2 B Oats 112	2.70	
7	18			31.10		20 3 B Corn 22 2.2 Oats 112	3.34	
8	20					5 lbs Wheat	95	
9	18		1.60.5			27 2 B Corn 148.2 Oats 112	2.60	14.04
10	28					50 lbs Wheat	95	
11	16							
12	25							
13	19		2.56.8					
14	25					Eggs sold	11.54	
15	17					Underd	12.90	
16	23					Poultry sold	5.70	\$ 19.14
17	20					Marline		3 00
18	20							22 14
19	25							
20	21		2.84.6					
21	21							
22	16							
23	17							
24	16					Eggs	5.07	

Course.

Distance.

Diff. of Lat.

Departure.

Lat. by D. R.

Lat. by Ob.

Variation.

Diff. of Lon.

Lon. in.

Lon. by Ob.

From

Credit Nov 91

towards

Debt

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	20			25 18	2.66.7	4 3 Corn 234 2 600 100	5.34	
2	20			26 15		8 2 Corn 2 00 100	2.56	
3	17			27 11		14 1 B Oats	50	
4	16		3.50.10	28 18		18 2 B Corn 100 100	2.56	
5	25			30 7		27 2 B Corn 100 100	2 40	8/11 36
6	17			30. 13				
7	22							
8	20		1.14.3					
9	19							
10	15							
11	17							
12	22		2.00.5					
13	18							
14	22					Eggs sold & used	14.62	
15	22					Poultry sold	9.58	
16	15					Manure	3.00	27.20
17	27		5.32.14					
18	17							
19	20							
20	16							
21	12							
22	27							
23	14							
24	10		Eggs	4.68				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Credit December

Debt

H	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	10		2.75.7.3	25 14	0.07	1 2 B Corn 140 2 Oats 104	2.44	
2	10			26 11		8 3 B Corn 210 2 Oats 104	3.14	
3	9			27 12		15 2 Corn 140 2 Oats 104	2.44	
4	10			28 12		24 2 B Corn 140 2 Oats 50	1.90	9.9 2
5	8			29 15				
6	10			30 18	1.92.6			
7	12			31 18				
8	30		190 5					
9	13							
10	10							
11	10					Eggs sold	11.72	
12	11					also used	2.00	
13	10					Manure	2.00	
14	10					Poultry sold	5.89	
15	8		228.6					41.61
16	11							
17	9							
18	11							
19	12							
20	9							
21	11							
22	11							
23	10		2.89.5 1/2					
24	8		No Eggs	393				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

towards

9¹³

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1			Box + Coasters to etc			Funans		70 P
2			Cal. Had. Sodd. Inn etc.			Hithaway		25 P
3			Drills Hammer etc			R. Howland		85
4			Measures + Balances			B. Wilcox		25 P
5			Large Saw			Capt J. Chase		30
6			3 Saws + Square			M. Davis		20 P
7			Collar Paines Hutter			Jew		5 P
8			Paul Nut + Sine			Saffrey		40 P
9			Block + Falls (Pine)			M. Davis		225 P
10			Shed Shovel Sledge etc			Jew R. Howland		35
11			Assault Saw			Capt J. Chase		35
12			W. Brush Wrench			M. Davis		10 P
1			Square Hammer			Thos Allen		75 P
2			Planet Jr. Planets			Colr		300 P
3			3 Shells Pickaxe etc			Lady		15 P
4			Sledge					25 P
5			Cradle			Chace		25
6			Inn Bar			Jew		15 P
7			Small Inn Bar			Jew		10 P
8			Saw			Alm Patten		30 P
9			Saw			Lady		15 P
10			Robt Fork + Brum			Saffrey		20 P
11			Brick saw			Borden		15 P
12			Grindstone			Jos Furandy		100 P

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1			Heat Eggs			B. Wilcox		15 P
2			Box + Coasters					25 P
3			Whellbarrow					235 P
4			Beetle + Bridge etc			B. Wilcox		10 P
5			Optimotor			Taylor		175 P
6			Grinder			C. Hillebrand		100 P
7			Ladders			Hinesfall		15 P
8			Cut Wood + Kind + 2000			Cohen		15 P
9			Wine in Back Room Vase etc			Cohen		5 P
10			Wood in So. Room in town			Cohen		25 P
11			Contents of So. Room			Saw		05 P
12			Est. Phil + Wooden one			Cohen		15 P
1			Box of Vase etc			Hithaway		15 P
2			Yel. Board + Plates			Lady		05 P
3			Salt Cakes + Sacks			Lady		10 P
4			Glass Vase			King		10 P
5			10 Plates			Mrs J. Gifford		35 P
6			Beam Pot + Glassman			Thos. Sargent		05 P
7			Yel. Pitch + 2 White One			Patten, Abram		05 P
8			Moppy + Bowl + Pitcher			Mrs T. Gifford		20 P
9			4 Cups + Saucers			Swift		25 P
10			Plates Long Boat etc			Mo. King		10 P
11								1975
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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towards

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109

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towards

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From

towards

18 11

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	Duff					Swift		75 p
2	Backs							35 p
3	Carpail					Cohen		25 p
4	Fairy Plate							05 p
5	Box							25 p
6	Wood							50 p
7	Small Stand							30 p
8	1 Basket + Beans					Cohen		50 p
9	Bedstead					Cohen		25 p
10	2 American Curves							45 p
11	2 Trunks							20 p
12	Basket					Jack Smith		30 p
1	Table					Mrs. Saura		15 p
2	Trunk					Mr. Davis		50 p
3	2 Arlio Jara							20 p
4	Basket Jack etc							25 p
5	Box					R. Howland		25 p
6	Box					Mrs. Safford C. L.		10 p
7	Roller etc							05 p
8	Small Stand					Mr. Davis		50 p
9	1 Basket + Curves							25 p
10	2 Trunks + C.							03 p
11	Box							45 p
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	Box + Contents					J. Fernandez		25 p
2	Trunk					J. Fernandez		30 p
3	2 Trunks					J. Fernandez		25 p
4	Minor					J. Fernandez		170 p
5	Miscellany					B. Chay		25 p
6	Stand					May Pine		40 p
7	Mattress					Horfall		105 p
8	Marble Top Stand							3,30 p
9	Trunk + Box					Safford		60 p
10	Box					Horfall		75 p
11	Stone					Horfall		4,005 p
12	Box Basket					J. Smith		40 p
1	Box					Mrs. Safford		70 p
2	Bedstead B. Walnut					Cohen		10 p
3	Pillows					J. Fernandez		40 p
4						Cohen		20 p
5	Cushion - C.					J. Fernandez		115 p
6	Cushion					J. Fernandez		10 p
7	Red Broad							25 p
8	Lamp							20 p
9	Red Broad							15 p
10	Quise							20 p
11	Chamber							20 p
12	Chamber					Safford		20 p

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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24.10

towards

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From

towards

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1			Shells & C. Coral			Mrs. Gifford		30 P
2			Feather Bed					1.10 P
3			Box			Mr. Duns		05 P
4			Shank Bonebone			G. Chase		05
5			Table			A. Patten		30 P
6			Ironing Board & Brown			Aguedo		10 P
7			Cupboard			Capt. Chase		50
8			Box & Contents			Sam		05 P
9			Mattress			Capt. Chase		50
10			Box & Contents Tools			Mrs. Souza		10 P
11			Trunk			Aguedo		05 P
12			Bedstead Crymole & C.			May Pina		1.20 P
1			Iron Board Box					05 P
2			Box					05 P
3			Trunk & Contents					15 P
4			Whelkone & C.			Mrs. Gifford		03 P
5			Carpenter			Chey		75 P
6			Barley Stone			R. Howland		20 P
7			Clock			J. Smith		37 P
8			Mattress & C.			Sam		05 P
9			Box & C.			C. H. Lufford		05
10			C. Box			Aguedo		09 P
11			Shel			Mrs. Gifford		10 P
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1			B. Cage					10 P
2			Bulls					06 P
3			Chair & Mat & C.					22 P
4								
5					49.75			7.10
6					11.83			
7					21.15			
8					24.10			
9					7.10			
10					83.93			
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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towards

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towards

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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

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From

towards

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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towards

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

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From

towards

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2								
3								
4								
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2								
3								
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From *Apple*

towards *North Carolina*

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	22			35		Sept 2		60
2	27			25		6		75
3	30			25		9		100
4						13		125
5						16		85
6						20		100
7						22		50
8						27		60
9						30		80
10								
11								
12								
1								
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8								
9								
10								
11								
12								

[illegible]

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2								
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7								
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From Pumpkins towards Squashes

towards

Squash

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	189 day of	18
1	Aug	22	7	30		Sept 15		25
2	Sept	8	4-00	16		Sept 27		50
3		9	4	14		Oct 2		20
4		22		21				
5								
6								
7								
8								
9								
10								
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12								

[illegible]

H	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1						Summer Squash		
2						Aug 10		21
3						25		10
4						30		10
5						Sept 4		10
6						7		15
7								
8								
9								
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[illegible]

From

towards

Beams Butte

Beams Goodland

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	July 11		4 lbs	32		Aug 4 1 Pick	1892	40
2								100
3	18		13 lbs	178				100
4	21			84		70 lbs		100
5				159		115 lbs		100
6	27			100		2		100
7	Aug 1		5 8 1/2	175		1 Pick		25-
8	4			14				
9				50				
10	11			30				
11	15			11				
12				33				
1				30				
2	18		21	63				
3	20		14	42				
4								
5								
6								
7								
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10								
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12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1						Beams Linn		
2						Aug 22 5 Picks		125
3						Sept 2 1/2 Berish		50
4								
5								
6								
7								
8								
9								
10								
11								
12								
1								
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

towards

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	July	5	5-Bicks	125		July 21 one bunch		3
2			2 B 4 1 Bick	375		25 bunches		18
3						27 15		45
4		13	10 B 3 10 75			Aug 1 16		78
5		18	10	9 80		4 30		90
6			6	6 00		11		39
7		25	2 Bick	2 25		15		60
8			2 1/2	63		16		8-8-
9				1 10		19	170	340
10			1 1/2	60		22		18
11			1 Bick	1 00		25		12
12			1 20	75		27		17
1			2	1 30		30		15
2						Sept 2		18
3						6		6
4						9		12
5						13		15
6						16		10
7						20		9
8						22		18
9						25		15
10						30		21
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

Potatoes

towards

Sept

in Sella

214
215

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1			1 North	1.25		22 7 1/2		591
2			1	1.00		30 4 1/2		382
3			1	1.00				
4			1 1/2	2.15				
5			2 1/2	2.00				
6			4 1/2	3.72				
7			6 1/2	4.65				
8			8 1/2	4.20				
9			1	1.00				
10			2	1.40				
11			1	1.00				
12			4	5.60				
1			2	1.30				
2			1 1/2 large	1.75				
3			1 do small	40				
4			2 1/2	1.70				
5			3	2.16				
6			3 Phs on	2.5				
7			3	2.00				
8			6 1/2	4.20				
9			6 1/2	4.50				
10			7 1/2	5.25				
11			8	6.00				
12			8	6.00				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1								
2								
3								
4								
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6								
7								
8								
9								
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11								
12								
1								
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8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

towards

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	June	20		15		June 20		20
2		28		5		July 5		3
3	July	5		20		July 25		17
4						28		18
5						Aug 1		42
6						19		52
7						22		18
8						30		6
9						Sept 8		25
10						9		60
11						22		17
12						4		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	May	23	1892					
2			Onions		80			
3	June	1	do		190			
4		9	"		230			
5		20	"		170			
6		28			30			
7		5			16			
8		13			30			
9		21			65			
10		28			150			
11	Aug	1	3 Becks		75			
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

towards

From Kelly Ditch to Thomas Kelly

day of

18

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1						May	8 Hours	
2					100		Aug 3 to Home	30
3					200			50
4					500			80
5								150
6								150
7								50
8								50
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

*Aug 25 1892 Paid
Ballou's 4.34
E. H. Casper*

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
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1								
2								
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7								
8								
9								
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7								
8								
9								
10								
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

towards

Edward Kelly Diller to E W Grape Diller

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1			To E W Grape		75	April 6	1 hour	615
2			April 25		80			75
3			6		80			5.40
4			To Cash		50	May 26	2	
5			Turnips		20	May 26	2	
6			June 2			11	1 1/2	
7						20	10	
8						8	1 1/2	
9						14	1 1/2	
10						29	10	
11						30	10	
12						July 1	1 1/2	
1						2	9	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Thursday Aug 25 1892 Paid in full with a
Balance in my favor of \$60
E W Grape

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1			Edgar W. Grape Diller			Printer Smith Diller to		
2			to Printer Smith			E W Grape		
3			to one load of wood			May 11	5 hours	75
4			To Plowing 6 hours			July 12	5 hours	100
5			Upon 4 hours			July 16	1 1/2	30
6			July 20 to house 5 hours			20		80
7			21 to helping get up			Oct 9	6 hours	60
8								3.45
9			22 to house - laying					8.32
10								4.87
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

paid \$4.95

Laura

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

towards

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	Oct	22	8			Oct 13	45	
2		22	18			20	19	
3	Dec	8	19			22	28	
4						Nov 11	10	
5						12 2	80	
6						17	116	
7						Dec 8	16	
8								
9								
10								
11								
12								
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10								
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	Oct	14	70	4 knots		Oct 9 P. S. S. K. K. K.		10
2		25	15	24	13	13		10
3						22		42
4						Nov 11		40
5						17		86
6						Dec 8		45
7						Jan 12		24
8								
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

towards

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	Tornatore	Sept				Claims	Dec 15	3.25-
2	11			6				
3	11			12				
4	24			26				
5	28			30				
6	1			183				
7	6			15				
8	9			20				
9	13			60				
10	20			28				
11	21			12				
12	22			25				
1				417				
2				10				
3				427				
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	Under					Correspondence		30
2	Aug 11			1.60				15
3	14			1.25		14		10
4	17			25		17		15
5	24			60		24		38
6	28			35				28
7	2			18		Feb 28		24
8	8			25		Sept 2		11
9	11			15		8		15
10	15			20		11		13
11	24			25		15		2
12	28			20		24		18
1	1			20		28		11
2	9			12				22
3				6.07				
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

towards

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	Berks	16		25		Corroto	4	25
2		24		30			8	30
3		27		30			11	15
4				28			14	30
5		4		25			17	21
6		8		32			24	128
7		11		24			28	20
8		14		24		Supt	2	57
9		17		15			8	26
10		24		26			11	15
11		28		30			15	10
12		2		50			28	20
1		8		25		Oct	9	5
2		11		15			20	18
3		24		10		Nov		302
4		6		5			11	50
5		9		10		Jan	17	40
6		13		6				
8				3.98				
9		17		16				
10		17		8				
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1						Cabbage	4	18
2				274				16
3				65			17	9
4				90			24	140
5				100			28	64
6				105		S.M.	2	18
7				95			8	12
8				148			11	60
9				183			15	20
10				91			24	24
11				60				34
12				1191				10
1				115				10
2				30			9	4
3							13	6
4							20	11
5								456
6								18
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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towards

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1			William R	Stocum	Dir	To E W Grabe		17
2			June 31					
3			July 27					25
4			Dec 9 1891		250			25
5								
6			Dec 13					25
7			Jan 29 1892					25
8			Feb 15, 17, 16, 17, 18, 19, 100					
9								
10								
11								
12								
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8								
9								
10								
11								
12								

[illegible]

H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	July	6	Beams		28			
2		9			1.00			
3		13			1.40			
4					1.10			
5		20			70			
6					1.62			
7		27			85			
8	Aug	1	Beams		3.22			
9		4			1.90			
10		8	do 49 lbs		1.62			
11		14			3.22			
12		17			1.50			
1		24			1.65	2.25		
2		24			3.98			
3		2			1.60			
4	Sept	2			4.29			
5		8			53			
6		11			30			
7					107.0	107		
8		24			40			
9		1			80			
10	Oct	6			51			
11		13			25	2.21		
12		20			15	17.91		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

towards

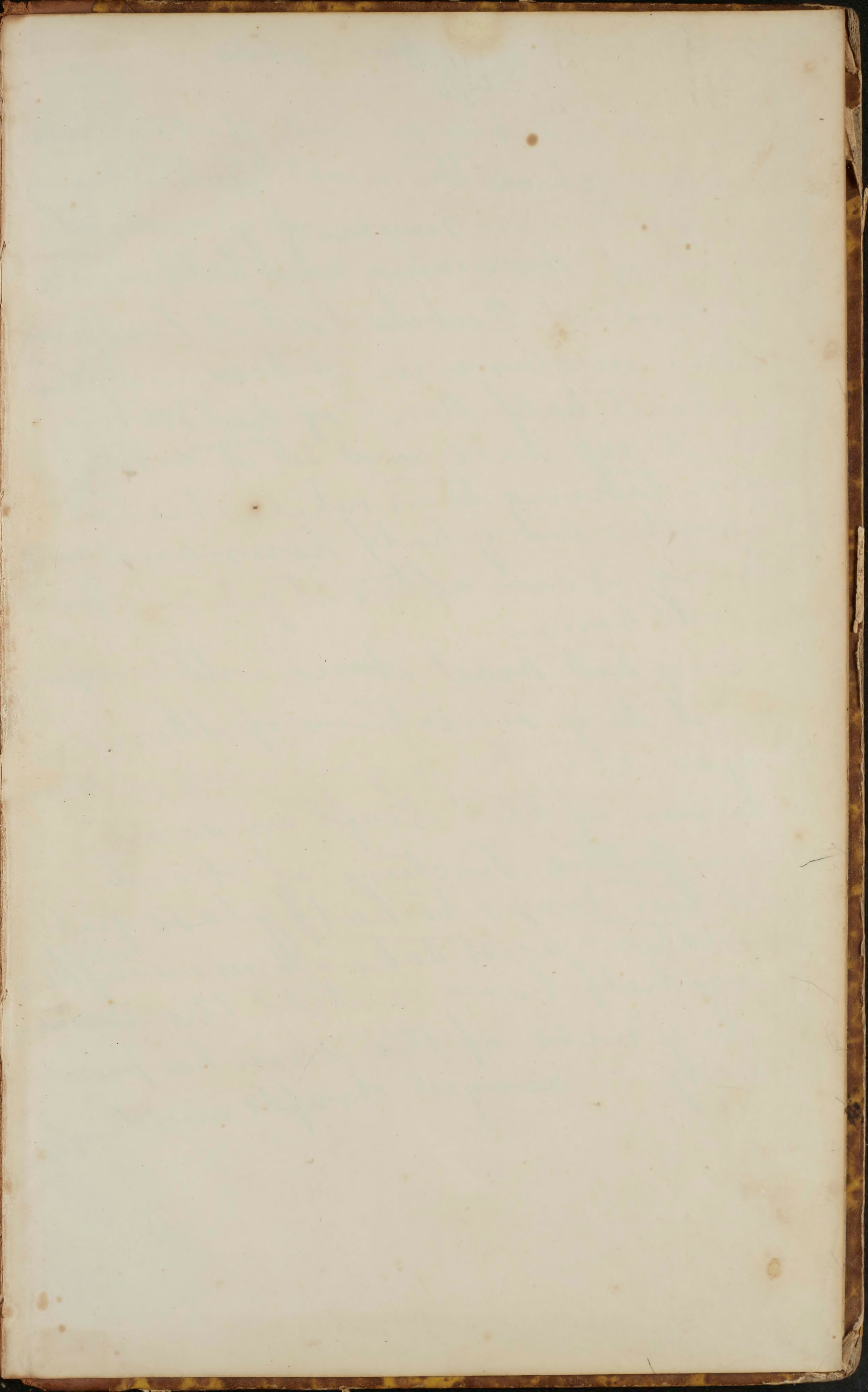
H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	June 11		onwards	50		Lat. 11	50	10
2	18			1 28		E. Kelly Battery	8	10
3	22			25		W. E. W. George	189 210	10
4	July 13			1 80		April 25 6 hours	60	5
5	16			1 20			80	50
6				5.03		Reas to Cash	501 20	
7	July 11			15		Turnips	203 50	
8	24			20			3 10	
9	26			60			3.50	
10	Sept 2			48			2 20	
11	8			2.00			1 20	
12	11			3.45			17.30	
1	15			2.40			60	
2	20		11 18 10 11	1 00			60	
3	24			1 33			27 13	
4	28			5 60			4 50	
5	1			56		May 8	31 63	
6	8			25		11	12	
7	1			25		Ac 4	25	
8	20			13			1 50	
9	22			30			1 00	
10	8						25	
11							23.00	
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by C
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H.	K.	$\frac{1}{2}$ K.	Courses.	Winds.	Leeway.	Remarks,	day of	18
1	July 3		Patatoes			Patatoes		100
2	7		Patatoes			Patatoes		100
3	13					For 11 2 Bush		25
4						April Edgar W. George		40
5						to Edwin Kelly for		1.50
6						North		1.23
7						April 6. 1892 1 Hour	15	95
8							8 10	100 10
9			Patatoes				16 8 1/2	85 10 3
10	4						26 2	20
11	16					May	6 2	20
12	17		Patatoes				11 1 1/2	15 50
1	28							50
2	1							40
3	8							20
4	11							40
5	15							70
6	24							46
7	1							66
8	7							0
9	13							23
10	20							44
11	22							53
12								14 63

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in.	Lon. by Ob
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$$\begin{array}{r} 54 \\ 23 \\ 77 \\ \hline 168 \\ 91 \end{array}$$

$$\begin{array}{r} 84 \\ 49 \\ \hline 101 \end{array}$$

$$\begin{array}{r} 168 \\ 21 \\ \hline 189 \\ 224 \\ \hline 35 \end{array}$$

For Colds

If the Cold is deeper set and affects the throat
 and Bronchials the most effective remedy
 mix together an Ounce of granulated
 Muricatic of Ammonia and half ounce
 of of Powderd Cubeb Root & Teaspoon
 of this mixture in a bowl and pour
 on about half Pint of hot Water
 stir it up well and let it settle
 begin taking this while it is hot
 A swallow every half hour and continue
 taking even after it gets cold for
 several hours

Dry hot head sore with eruping
 and dry sensations of skin
 if you can keep yourself indoors
 and out of the draft and so on
 Homoeopathic Tincture of Acornite
 add ten drops to half glass full
 of water and take a mouthfull
 every half hour untill the sensation
 of dryness of the skin has passed
 away
 avoied drafts and dampness

